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NASA

CR-159575 Vol. I



ACOUSTIC AND AERODYNAMIC PERFORMANCE INVESTIGATION OF INVERTED VELOCITY PROFILE COANNULAR PLUG NOZZLES

Comprehensive Data Report

VOLUME I

P. R. Knott
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P. S. Staid

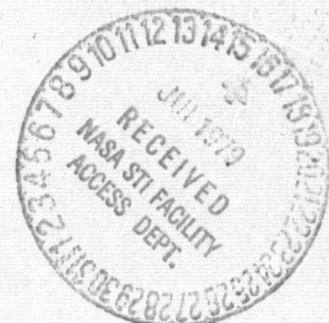
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16. Abstract This Comprehensive Data Report, comprising three volumes, includes the basic test description and test results which are analyzed and documented in the comparison Final Reports, NASA CR-3149 and CR-2990. Volume I contains a description of the acoustic configurations, test facilities, data reduction techniques, test conditions, and detailed test results from the hot, static acoustic tests at the General Electric Anechoic Chamber. Volume II presents acoustic data comparisons in graphical form. Volume III contains the detailed aerodynamic test results plus the "concept screening and model design report."					
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TABLE OF CONTENTS

<u>Section</u>		<u>Page</u>
	<u>VOLUME I</u>	
1.0	INTRODUCTION	1
2.0	DEFINITION OF ACOUSTIC CONFIGURATIONS	2
3.0	ACOUSTIC TEST FACILITY AND DATA REDUCTION TECHNIQUES	6
	3.1 The Acoustic Arena	6
	3.2 Acoustic Data Systems	21
	3.3 Aero Data Systems	28
	3.4 Analysis of Variance - Overall Precision of the Acoustic Measurements	33
	3.5 Certification	39
4.0	ACOUSTIC TEST POINT DEFINITION	42
5.0	ACOUSTIC DATA SCALING AND NORMALIZATION	58
6.0	DETAILED TABLES OF ACOUSTIC TEST RESULTS	60
	6.1 Coannular Configuration 1	64
	6.2 Coannular Configuration 2	161
	6.3 Coannular Configuration 3	221
	6.4 Coannular Configuration 4	331
	6.5 Coannular Configuration 5	389
	6.6 Coannular Configuration 6	449
	6.7 Coannular Configuration 7	517
	6.8 Conical Nozzle	691
	<u>VOLUME II</u>	
7.0	ACOUSTIC DATA COMPARATIVE PLOTS	715
	7.1 Introduction	715
	7.2 Comparisons of Anechoic Chamber and Outdoor Test Site (JENOTS) Data	716
	7.3 Comparison of Data for IVP Nozzles with Low Amounts of Inner Flow	786
	7.3.1 Zero Inner Flow Study	786
	7.3.2 Low Inner Flow Study	808

TABLE OF CONTENTS (Concluded)

<u>Section</u>		<u>Page</u>
7.4	Comparisons of Data for IVP Nozzles with High Amounts of Inner Flow	879
7.4.1	Effect of Outer Radius Ratio	879
7.4.2	Effect of Inner Radius Ratio	942
7.4.3	Effect of Plug Geometry	1048
7.4.4	Effect of Velocity Ratio	1112
7.4.5	Effect of Inner Pressure Ratio at Constant Velocity Ratio	1155
7.4.6	Effect of Velocity Ratio at Constant Inner Pressure Ratio	1177
7.4.7	Velocity Dependence Study	1213
7.4.8	Temperature Dependence Study	1224
 <u>VOLUME III</u>		
8.0	INTRODUCTION TO AERODYNAMIC PERFORMANCE DATA	1237
9.0	AERODYNAMIC FACILITY DESCRIPTION	1238
10.0	AERODYNAMIC DATA REDUCTION PROCEDURES	1242
11.0	AERODYNAMIC MODEL DESCRIPTION	1251
12.0	AERODYNAMIC TEST MATRIX	1263
13.0	AERODYNAMIC DATA TABULATION	1299
14.0	STATIC PRESSURE PLOTS	1346
15.0	CONCEPT SCREENING AND MODEL DESIGN REPORT	1459

1.0 INTRODUCTION

The Comprehensive Data Report includes the basic test description and test results which are analyzed and documented in the companion Final Reports, NASA CR-3149 and CR-2990. Volume I contains a description of the acoustic configurations, test facilities, data reduction techniques, test conditions, and detailed test results from the hot, static acoustic tests at the General Electric Anechoic Chamber. Volume II presents acoustic data comparisons in graphic form. Volume III contains the detailed aerodynamic test results plus the "Concept Screening and Model Design Report."

2.0 DEFINITION OF ACOUSTIC CONFIGURATIONS

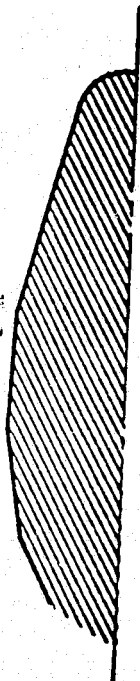
Seven acoustic coannular nozzle configurations were selected for this test program. Sketches of each configuration are shown in Figures 1 and 2. In Table 1 selected geometric parameters are tabulated for each configuration. Besides these seven coannular nozzle configurations, a conical nozzle was also tested to serve as a baseline with which to evaluate the acoustic effectiveness of the coannular nozzle relative to the standard conical nozzle.

CONFIGURATION No. 1

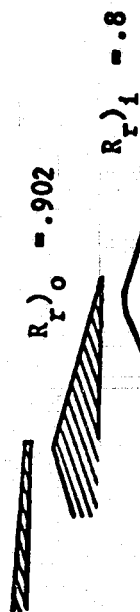
(Same as Model 7 from NASA CR-135239)



$R_r)_1 = .673$



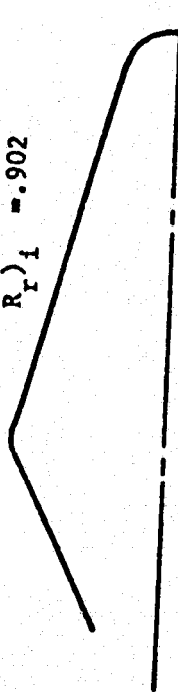
CONFIGURATION No. 2



CONFIGURATION No. 3



$R_r)_1 = .902$



CONFIGURATION No. 4

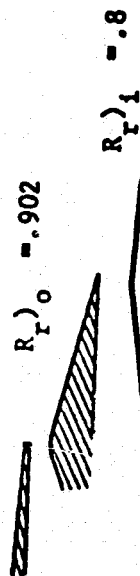
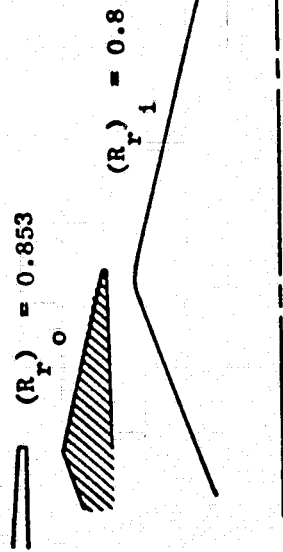
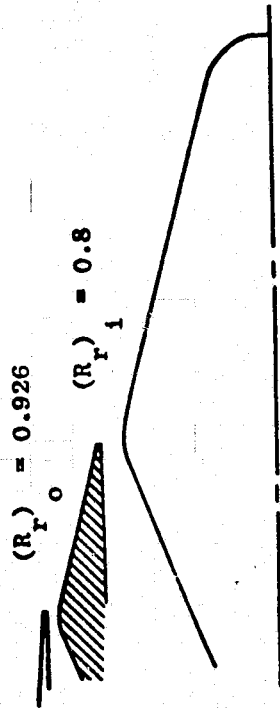


Figure 1. Acoustic Nozzle Configurations 1, 2, 3, and 4.

• Configuration No. 5



• Configuration No. 6



CONFIGURATION No. 7

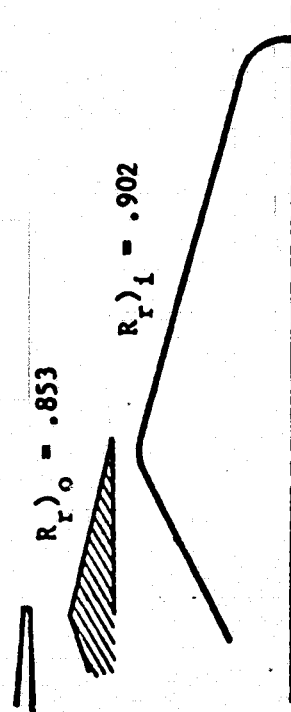
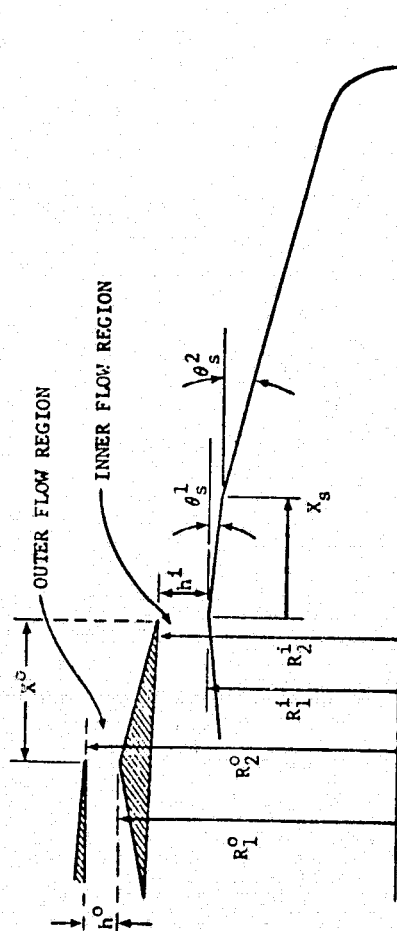


Figure 2. Acoustic Nozzle Configurations 5, 6, and 7.

Table 1. Summary of Configuration Geometric Parameters for Acoustic Models.

CONFIGURATION	h ^o , in.	h ⁱ , in.	R ^o ₁	R ^o ₂	R ⁱ ₁	R ⁱ ₂	R ^o _r	R ⁱ _r	A ^o , in ²	A ⁱ , in ²	A ^o /A ⁱ	h ⁱ /Deq ^o	x ^o	x ^o /h ^o	x _s	TYPE	
																θ ¹ _s , °	θ ² _s , °
1	.426	1.036	3.918	4.344	2.134	3.168	.902	.673	11.057	17.248	.641	.28	3.089	7.25	2.011	2.75	15
2	.426	.634	3.918	4.344	2.534	3.168	.902	.800	11.057	11.350	.974	.17	3.089	7.25	-	15.0	15
3	.426	.311	3.918	4.344	2.858	3.168	.902	.902	11.057	5.878	1.881	.08	3.089	7.25	-	15.0	15
4	.426	.634	3.918	4.344	2.534	3.168	.902	.800	11.057	11.350	.974	.17	3.089	7.25	2.015	2.79	15
5	.675	.634	3.918	4.593	2.534	3.168	.853	.800	18.049	11.350	1.590	.13	3.063	4.54	-	15.0	15
6	.313	.634	3.918	4.231	2.534	3.168	.926	.800	8.013	11.350	.706	.20	3.100	9.90	-	15.0	15
7	.675	.311	3.918	4.593	2.858	3.168	.853	.902	18.049	5.878	3.070	.06	3.063	4.54	-	15.0	15



SCHEMATIC OF NOZZLE CONFIGURATIONS AND DEFINITION OF PARAMETERS

where R_r = Radius Ratio (R_1/R_2)

h = Step Height, inches

A = Area, in²

Deq = Equivalent Circular Diameter Based on A , in.

θ_s = Ramp Angle of Inner Plug

Superscripts

o = Outer Flow Region

i = Inner Flow Region

3.0 ACOUSTIC TEST FACILITY AND DATA REDUCTION TECHNIQUES

3.1 THE ACOUSTIC ARENA

3.1.1 Facility Description

All acoustic testing was performed in the General Electric jet noise anechoic chamber located in Evendale, Ohio, which was built to support research in jet engine aircraft noise. The facility can accommodate model exhaust nozzle configurations ranging in size from a 2 mm to a 159 mm diameter model and has the capability to run both single and dual flow models. For the subject test program the dual flow capability was primarily employed.

In Figure 3 a cross section of the facility is shown. This cylindrical building is 21.95 meters high and 13.1 meters in diameter. The test chamber itself is divided into several major areas as shown on Figure 3. The lower chamber is used as an air plenum, allowing for the entrained air flow (induced during operation) to pass in through the inlet silencers and up through the false floor (as shown on Figure 4) into the anechoic chamber. The entrained air becomes uniformly distributed within the plenum, thus eliminating any significant velocity effects throughout the chamber during operation. The design of the lower chamber was determined through scale model testing, with a design velocity requirement of 2.13 m/sec. Surfaces in the lower chamber are acoustically treated to prevent noises generated in the chamber during operation, from passing down through the false floor and being reflected back into the chamber.

The auxiliary room, located on the west side of the chamber, is used to house the in-line acoustic muffler, primary and secondary stream burners, fuel control systems, and lower access rails for the laser velocimeter (LV) and ellipsoidal mirror (EM) cart. The auxiliary room is pneumatically sealed from the test chamber to prevent unsuppressed piping and burner noises from entering the test chamber.

The test chamber itself is shown on Figure 5, along with a typical single-flow nozzle installation. Surfaces within the chamber are covered with anechoic wedges or wrapped with fiberglass to maintain their anechoic properties. Access to the test chamber area is achieved through a doorway opening onto the roof on the west wall of the chamber. Access to the nozzle is provided by means of expanded aluminum flooring and railings, shown on Figure 5, which are removed from the chamber during acoustic testing as shown on Figure 6.

During operation, the jet plume is discharged through the "T-shaped" exhaust silencer mounted on the roof of the chamber. This silencer arrangement effectively reduces the emitted noise to levels in compliance with community noise standards.

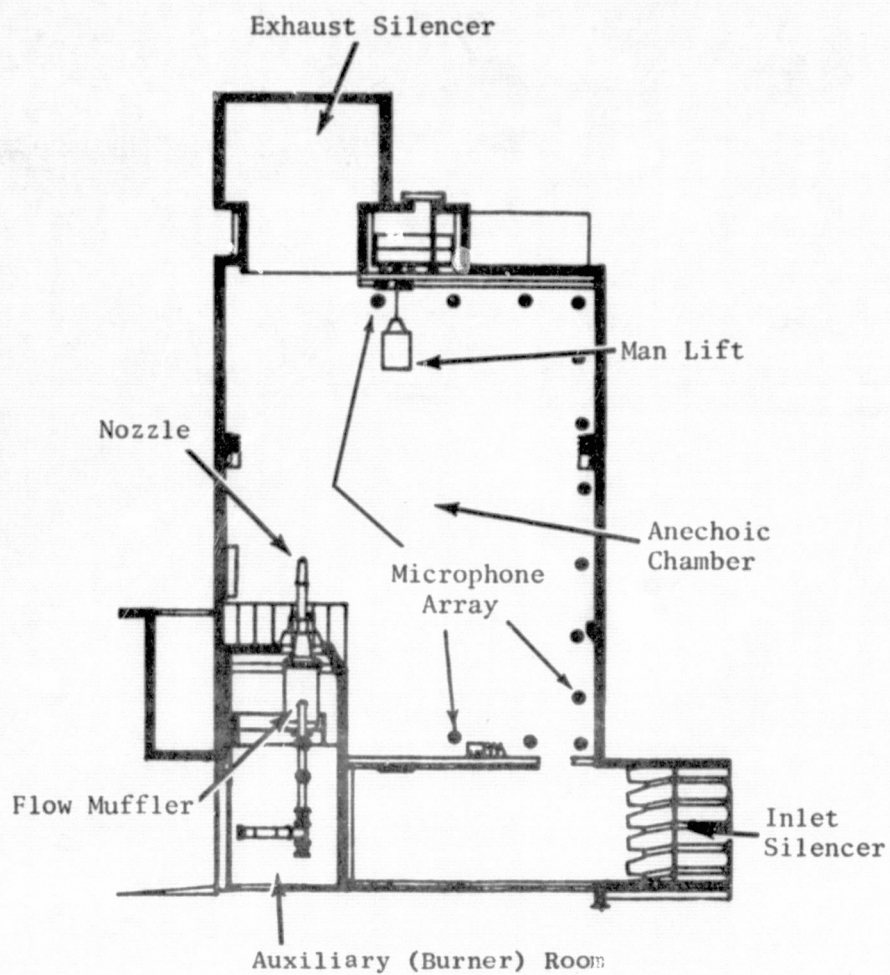


Figure 3. General Electric Anechoic Test Chamber Schematic.

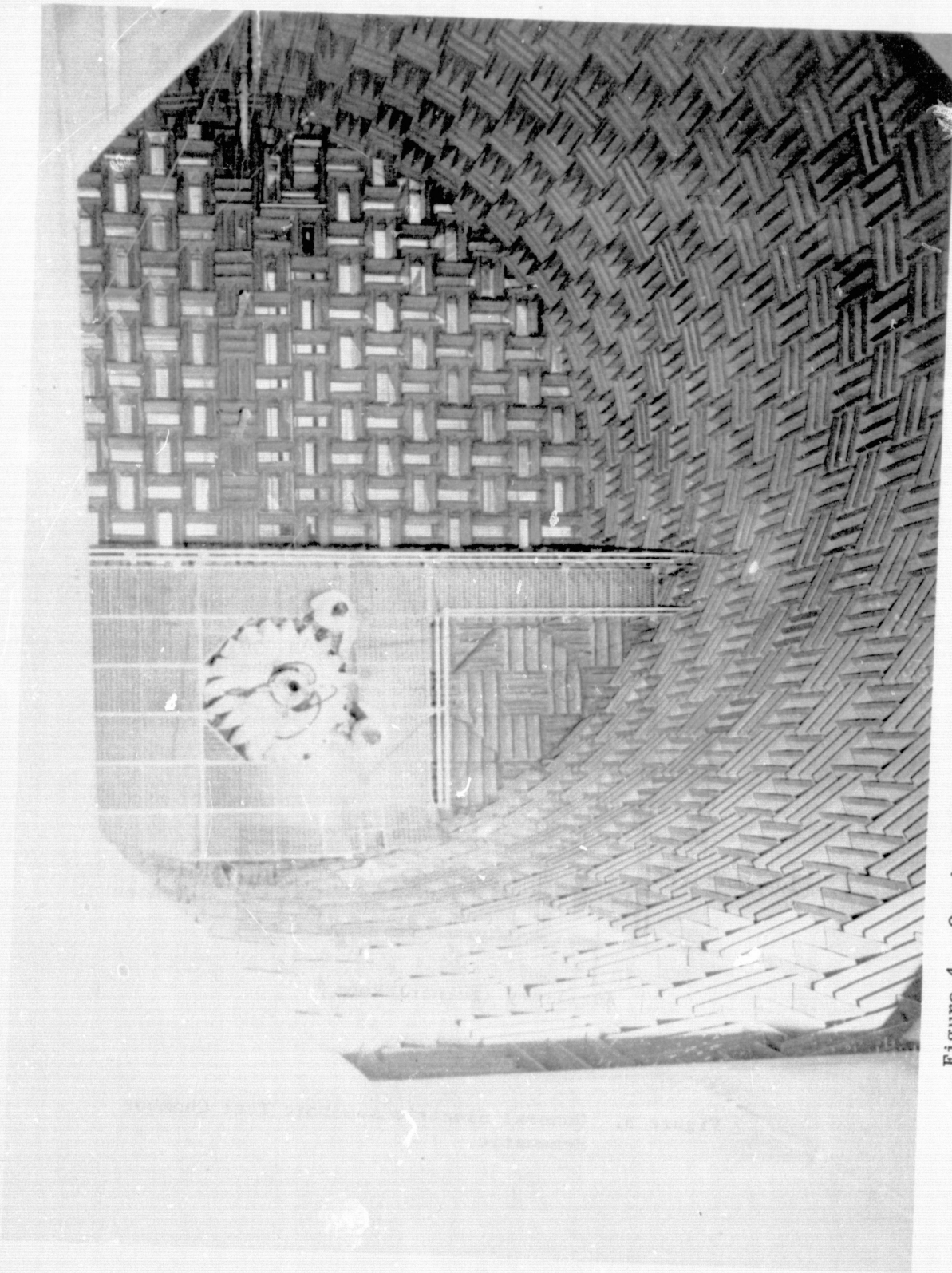


Figure 4. Overhead View of the General Electric Anechoic Jet Noise Test Facility Interior.

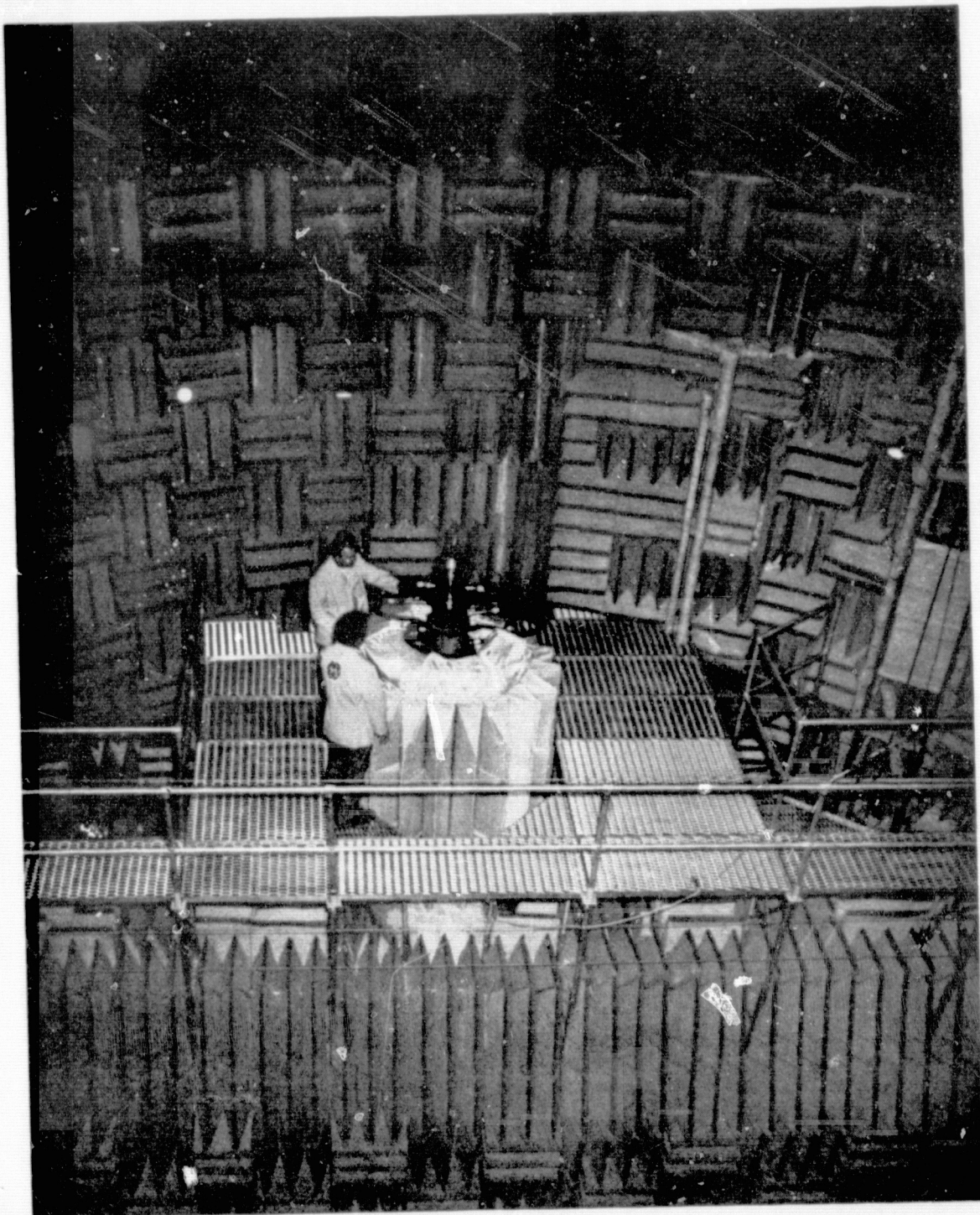


Figure 5. View of Test Arrangement in the General Electric Anechoic Jet Noise Test Facility.

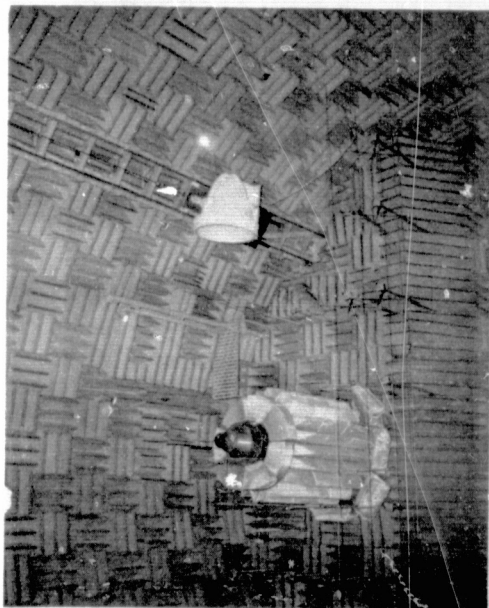
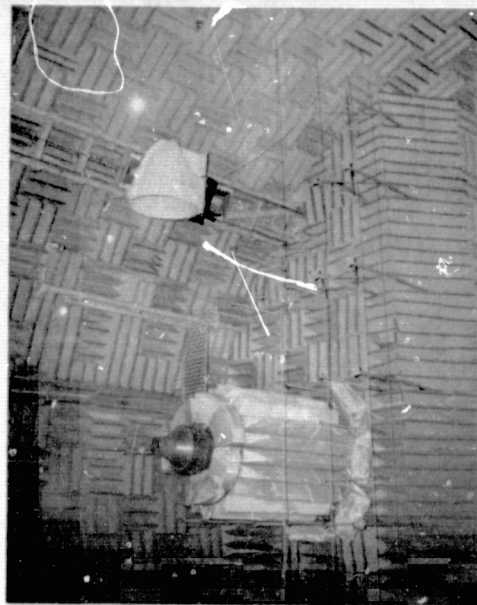
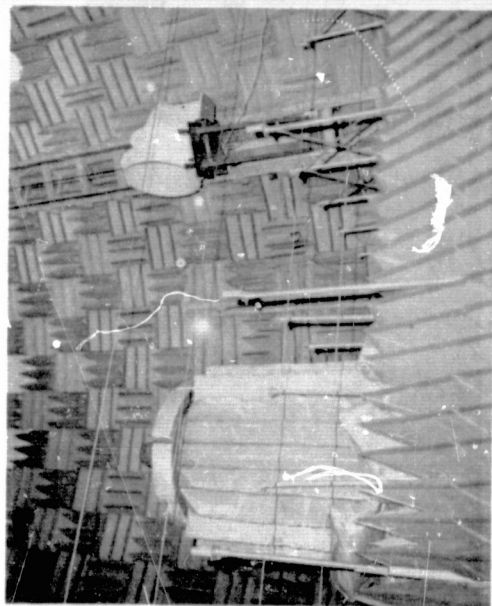


Figure 6. Internal View of the Test Arrangement During Operation.

Air is supplied from a central air system through a single pipe which penetrates the south wall of the cell (see Figure 7). Just inside the wall the air supply splits into two systems, the fan and core. The fan air is controlled by a single V-ball valve. However, the core air can be regulated by two V-ball valves, either in combination, with one acting as a bypass for fine tuning control, or with blank-off plates installed. Either valve can be used independently. Rupture discs are located between the flow measurement section and the riser sections of the pipes. They constitute a safety feature which prevents over-pressurization of the facility. The fan and core combustors are located in their respective risers which feed into the acoustically treated plenum. The top side of the plenum feeds into a coannular dual-flow riser which terminates in the test arena. Test nozzles are attached at this point.

3.1.2 Anechoic Wedge Specifications

The wedges used in the test chamber were fabricated from Owens Fiberglass "Intermediate Service Board" composed of fiberglass fibers bonded together in a semirigid form with a binder rated for service at temperatures up to 455° C with a material density of 48.05 kg/m³. The wedges are grouped three to a module as shown on Figure 8 with each module comprised of a 61-cm x 61-cm section. These modules are mounted on steel tracks fastened to the concrete cell walls, with a 7.62-cm air space between the module base and the cell wall. The tapered surfaces of the wedges are covered with a wire mesh hardware cloth, and the wedge tips are covered with a strip of fine fiberglass cloth to prevent feathering.

In regions of the facility where the wedges may be subject to flow impingement and turbulence, the wedges are covered with a glass fiber cloth material to prevent degradation.

This wedge geometry and material were selected for meeting the facility requirements of a cutoff sound below a frequency of 220 Hz and absorption coefficient of better than 0.99 at frequencies above the cutoff frequency.

3.1.3 Microphone Locations

The stationary microphones used for far-field measurements within the chamber are located on the east wall, ceiling and false floor in a vertical plane which includes the test nozzle. The microphones are positioned from 40° through 160° (re: jet exhaust angle = 180°) in 10° increments. They are mounted on standoff brackets such that each microphone is 1.52 m from the plane of the wedge tips, with the brackets wrapped with 5.08 cm of fiberglass material to prevent reflections from influencing the data, as shown in Figure 9, along with the man lift used for access to the microphone stations. During acoustic certification testing a microphone was traversed to within 0.43 m of the wedge tips and inverse square law characteristics were maintained, as shown in Figure 10 over the range of 160 Hz to 6300 Hz. The microphones themselves are held in a swivel mount and are oriented for normal

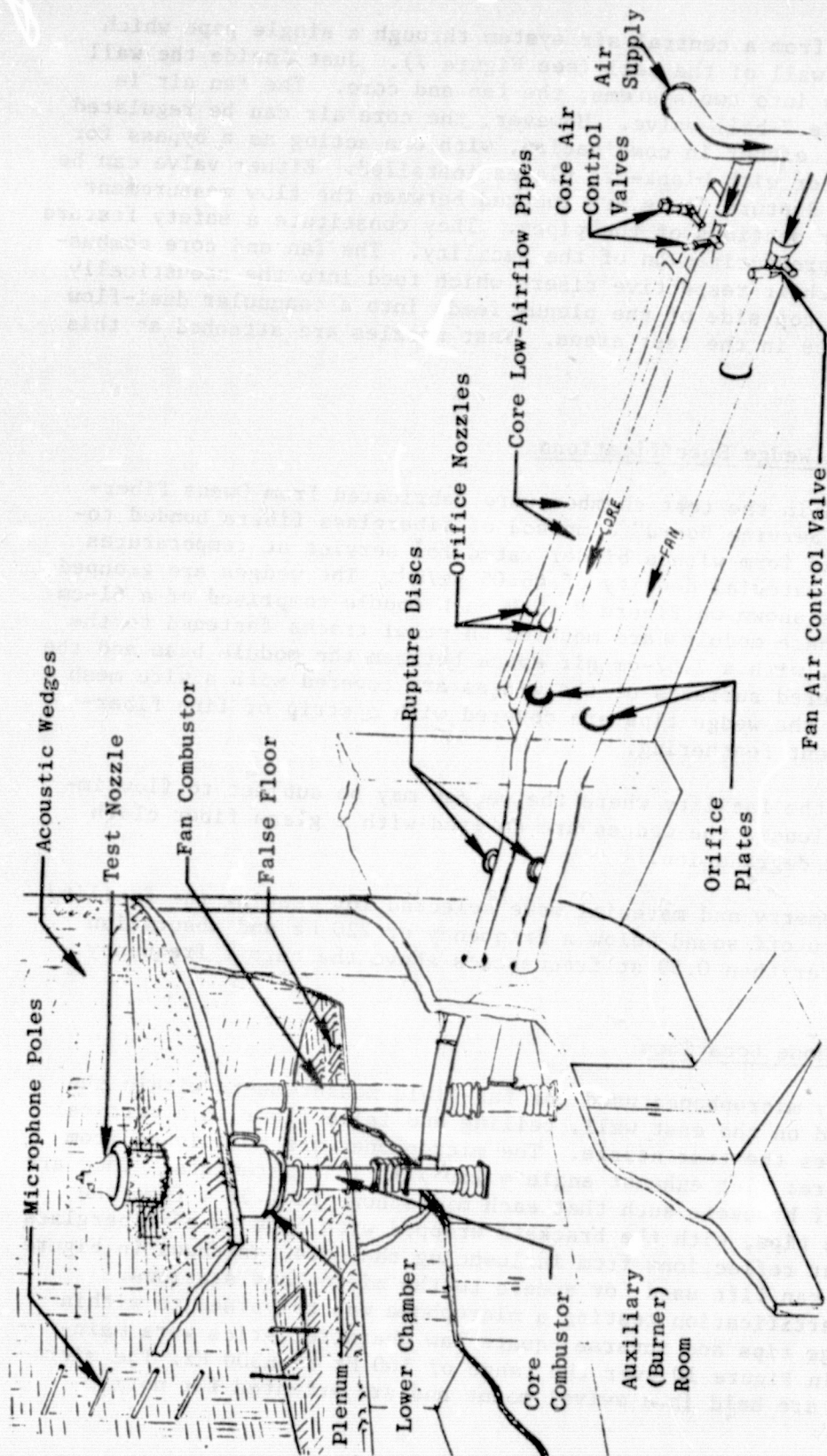


Figure 7. Cell 41 Anechoic Chamber Sketch.

Note: Wedges in Region of High Temperature, High Velocity Gas Flow Have Filler Covered With Glass Fiber Cloth, Prior to Hardware Cloth Cover.

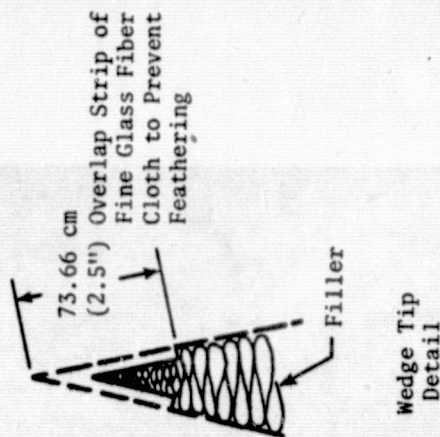
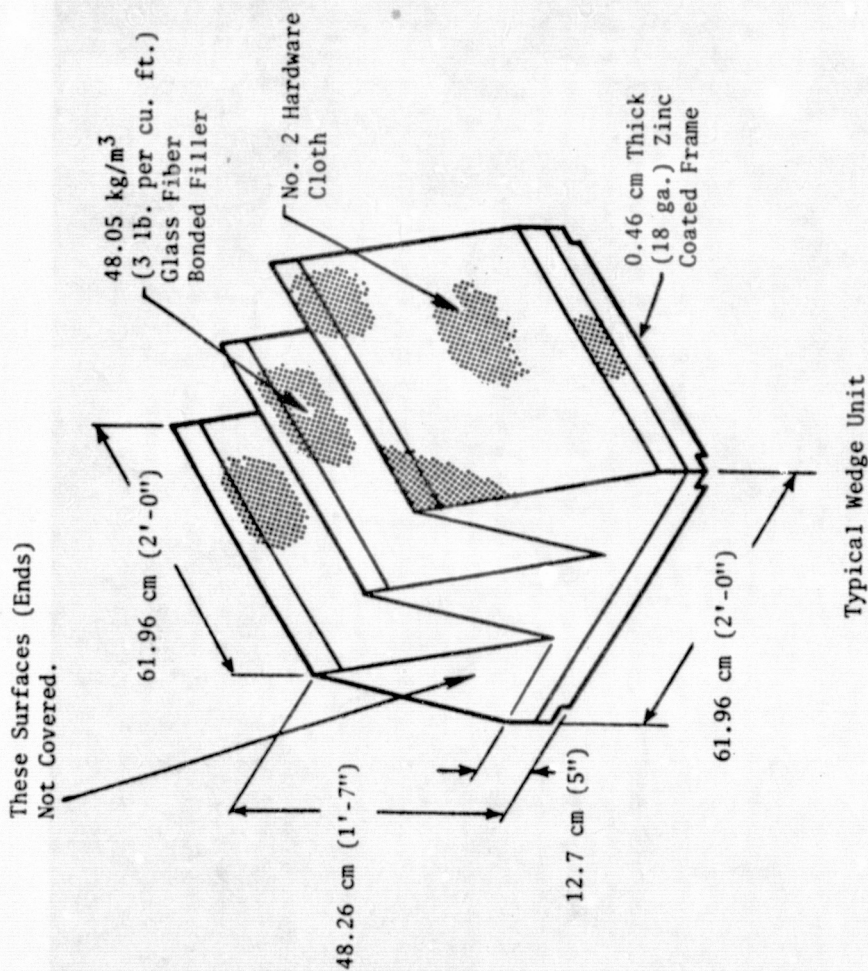


Figure 8. General Electric Anechoic Facility Acoustic Wedge Details.

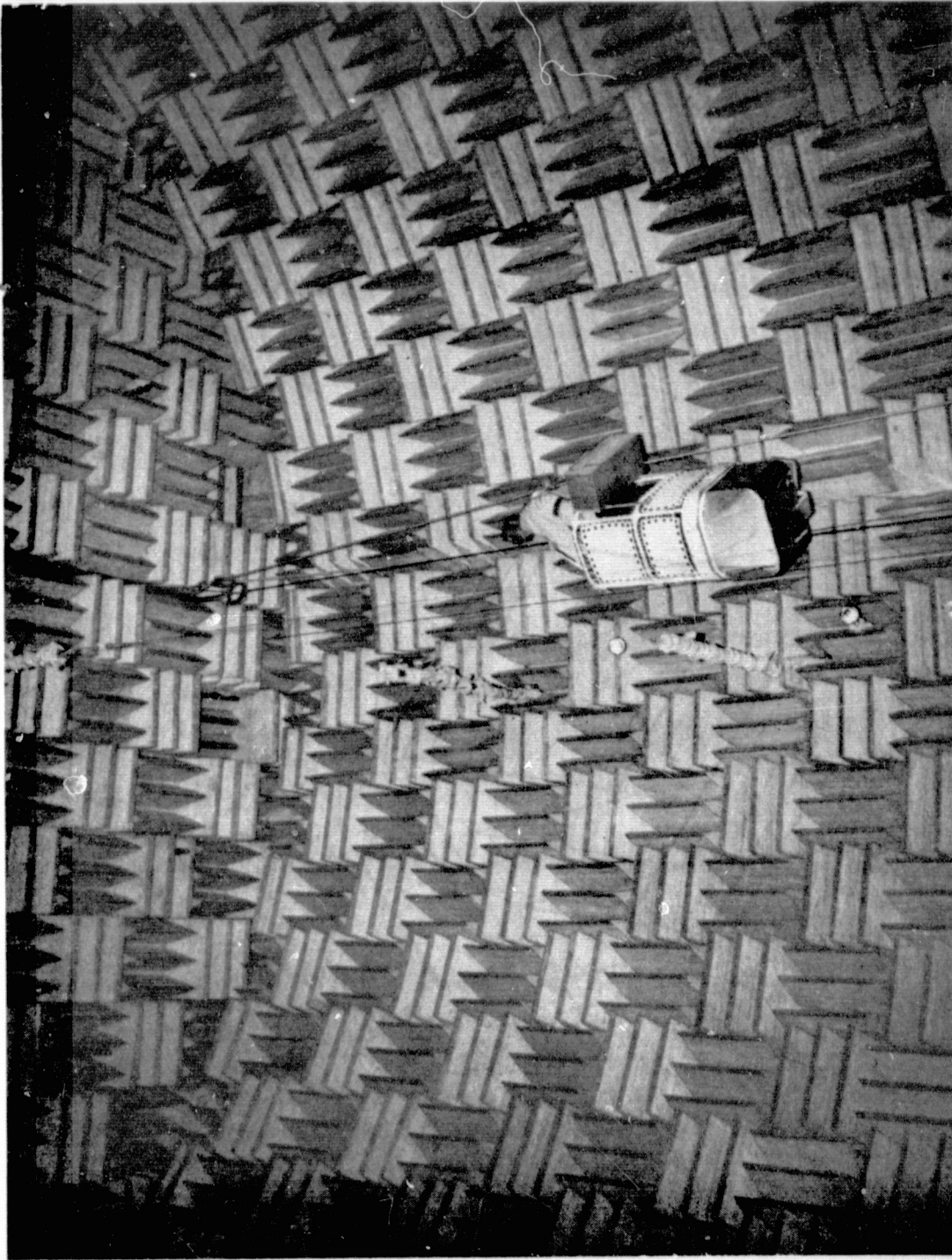


Figure 9. Internal View of the General Electric Anechoic Jet Noise Test Facility
Demonstrating Man Lift Operation.

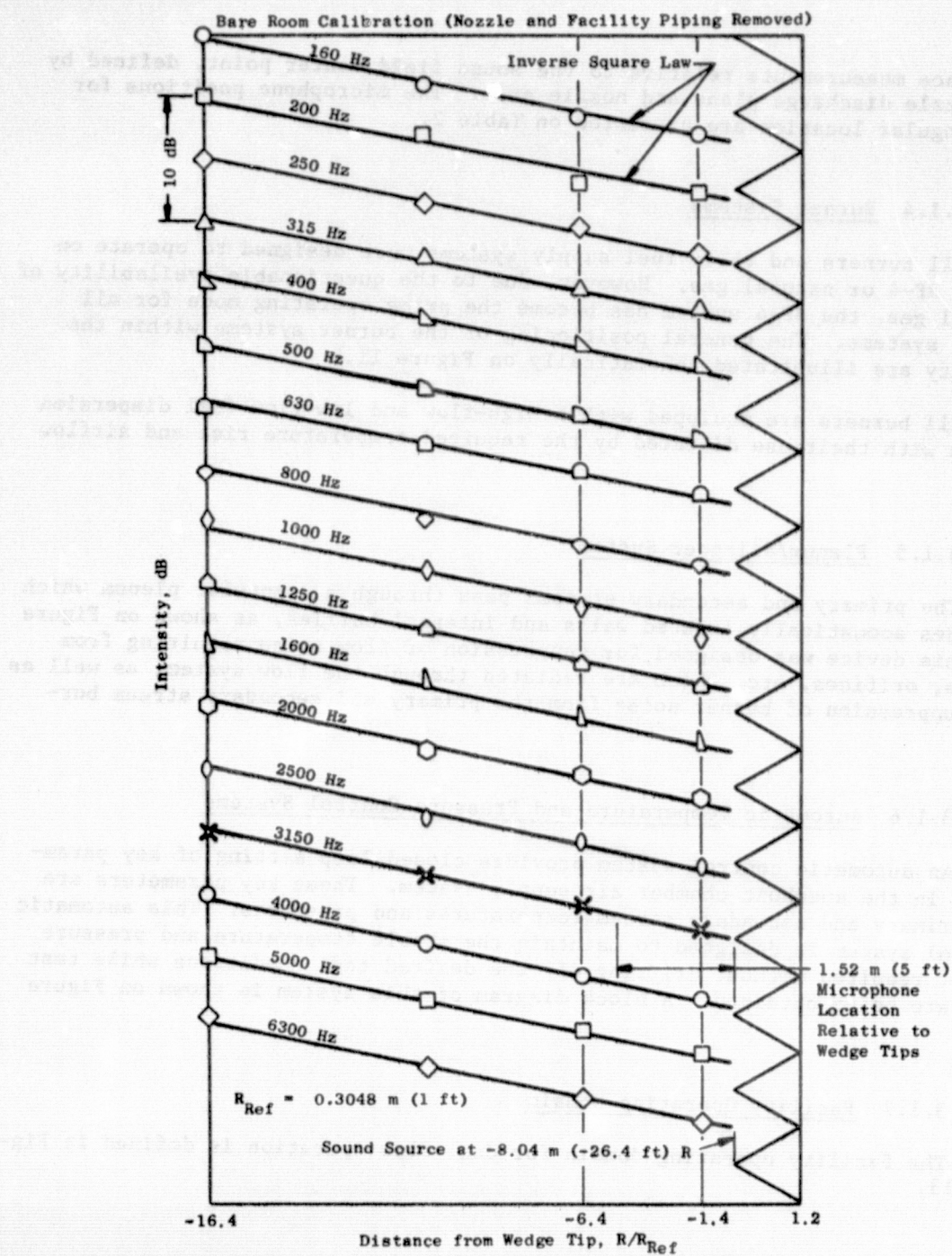


Figure 10. Acoustic Characteristics of the Anechoic Wedges.

incidence measurements relative to the sound field center point, defined by the nozzle discharge plane and nozzle axis. The microphone positions for each angular location are presented on Table 2.

3.1.4 Burner Systems

All burners and their fuel supply systems were designed to operate on either JP-4 or natural gas. However, due to the questionable availability of natural gas, the JP-4 system has become the prime operating mode for all burner systems. The general positioning of the burner systems within the facility are illustrated schematically on Figure 11.

All burners are equipped with a high-flow and low-flow fuel dispersion system with their use dictated by the required temperature rise and airflow rates.

3.1.5 Plenum/Silencer System

The primary and secondary streams pass through a coannular plenum which includes acoustically treated walls and internal baffles, as shown on Figure 11. This device was designed for suppression of flow noise resulting from valves, orifices, etc. which are radiated through the flow system, as well as for suppression of burner noise from the primary and secondary stream burners.

3.1.6 Automatic Temperature and Pressure Control Systems

An automatic control system provides closed-loop setting of key parameters in the anechoic chamber air supply system. These key parameters are the primary and secondary stream temperatures and pressures. This automatic control system is designed to maintain the stable temperature and pressure output required without drifting off the desired test conditions while test data are being obtained. A block diagram of this system is shown on Figure 12.

3.1.7 Facility Operating Domain

The facility operating domain for dual flow operation is defined in Figure 13.

3.1.8 Low Flow System

One portion of the test matrix included test points requiring low flow rates in the inner stream (as low as 2% of the flow rate in the outer stream) to simulate engine bleed flows. In order to accurately set these low inner

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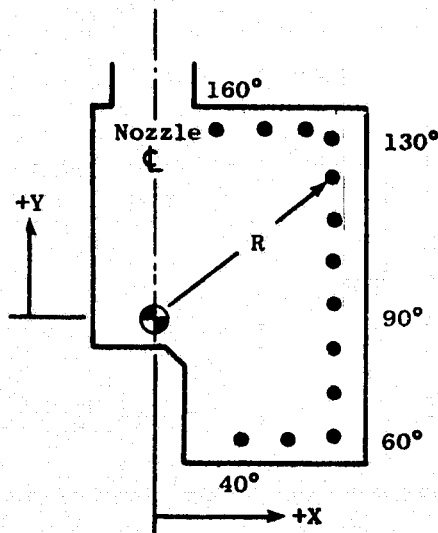
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Table 2. Far-Field Microphone Positions.

Angle (Degrees)	Radial Distance		X		Y	
	m	(ft)	m	(ft)	m	(ft)
40	6.91	(22.66)	4.44	(14.57)	-5.29	(-17.36)
50	8.23	(27.00)	6.3	(20.68)	-5.29	(-17.36)
60	9.50	(31.18)	8.23	(27.00)	-4.75	(-15.59)
70	8.76	(28.73)	8.23	(27.00)	-3.00	(- 9.83)
80	8.36	(27.42)	8.23	(27.00)	-1.45	(- 4.76)
90	8.23	(27.00)	8.23	(27.00)	0	(0)
100	8.36	(27.42)	8.23	(27.00)	1.45	(4.76)
110	8.76	(28.73)	8.23	(27.00)	3.00	(9.83)
120	9.5	(31.18)	8.23	(27.00)	4.75	(15.59)
130	10.74	(35.25)	8.23	(27.00)	6.91	(22.66)
140	10.09	(33.12)	6.49	(21.29)	7.73	(25.37)
150	8.93	(29.29)	4.46	(14.64)	7.73	(25.37)
160	8.23	(27.00)	2.81	(9.23)	7.73	(25.37)



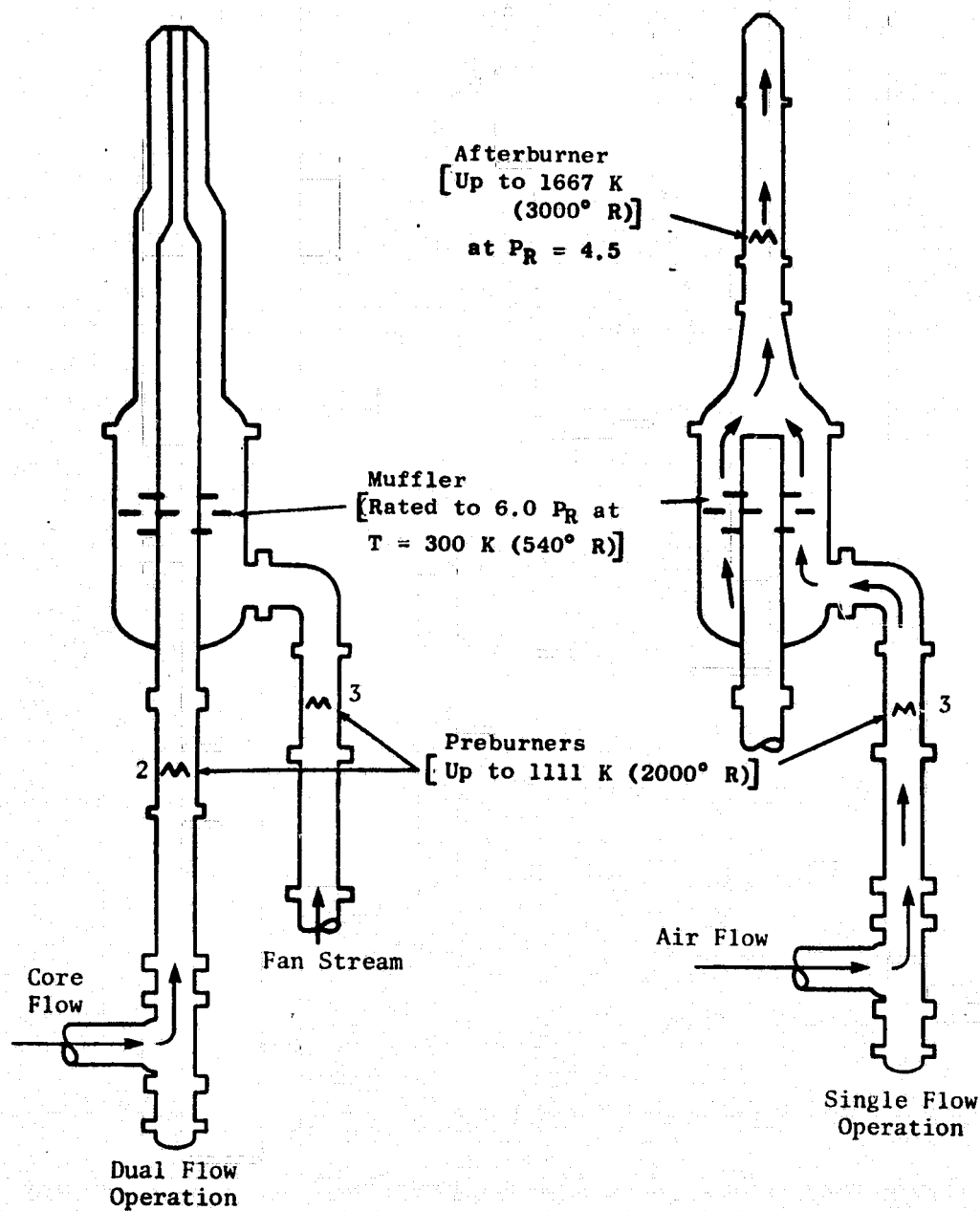


Figure 11. General Electric Anechoic Facility Flow System.

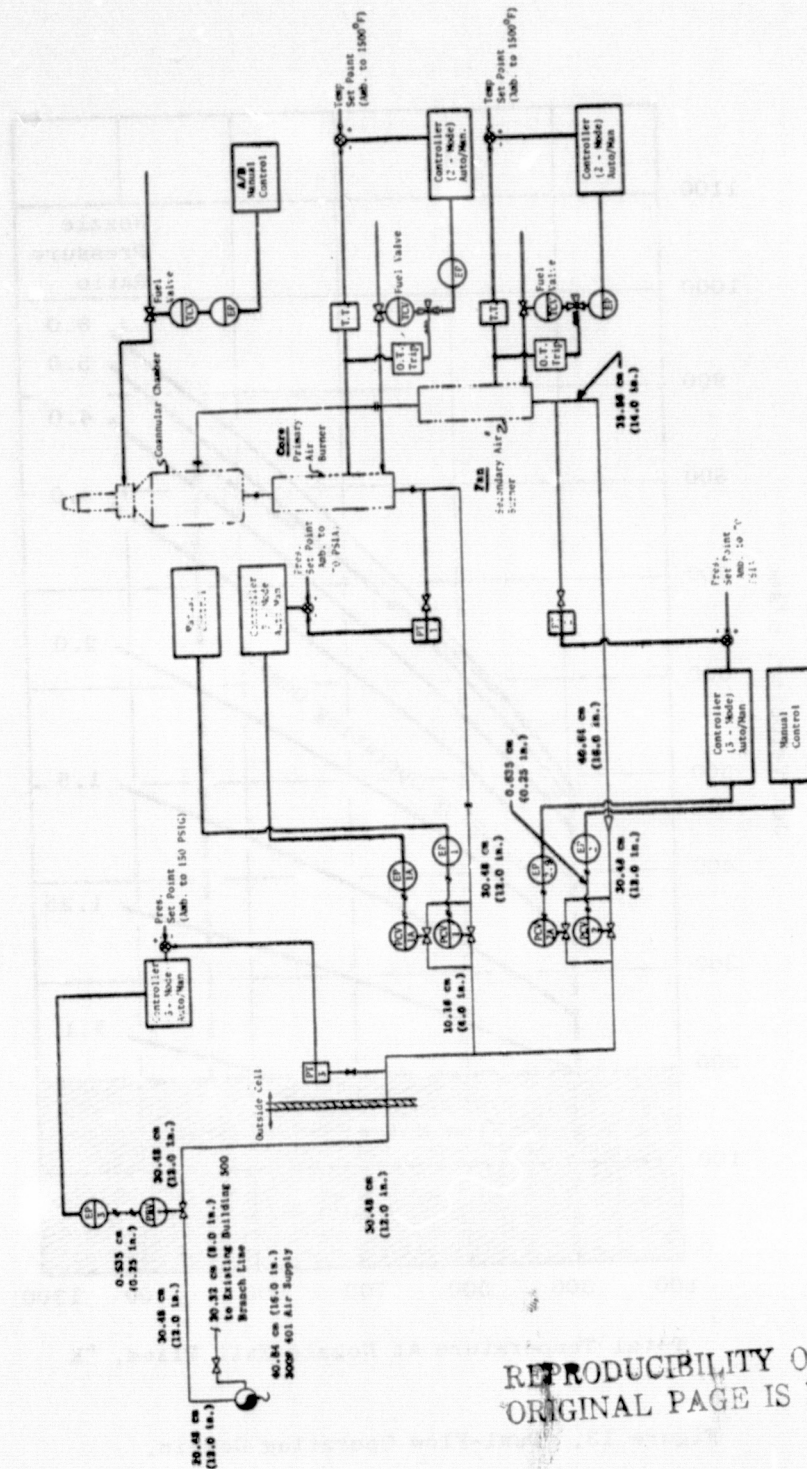


Figure 12. General Electric Anechoic Facility Control System Schematic.

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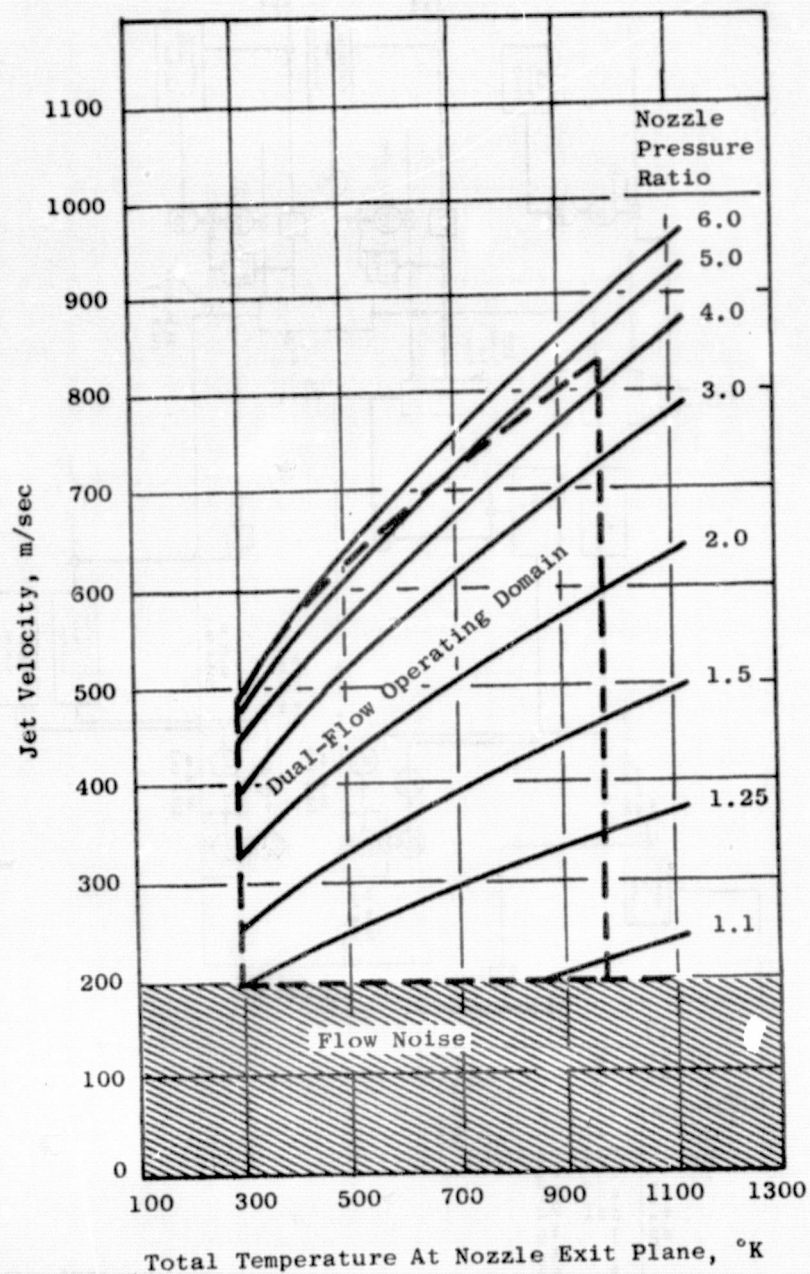


Figure 13. Dual-Flow Operating Domain.

flow rates, a separate flow metering device was utilized. A schematic of the basic features of the device is shown in Figure 14. The main air supply for the inner stream was blanked off and the flow was diverted into two smaller pipes. Each of these pipes has a flow nozzle and an on-off valve. These flow nozzles accurately meter the flow when the flow is choked. Knowing the upstream total pressure and the throat area of the flow nozzles, the weight flow was calculated as follows.

For pipe flow the weight flow may be expressed as:

$$W = C_D \left[\frac{P_T A g_c}{\sqrt{T_T R}} \right] \frac{M \gamma^{1/2}}{\left[1 + \frac{\gamma-1}{2} M^2 \right]^{\frac{\gamma-1}{2(\gamma-1)}}}$$

where

- W = weight flow (lbm/sec)
- C_D = nozzle discharge coefficient
- γ = 1.4 for cold flow
- R = 1716 ft²/sec² - ° R
- g_c = 32.174 lbm-ft//lbf-sec²
- A = area (in²)
- P_T = Total pressure (lbf/in²)
- M = Mach number
- γ = ratio of specific heats, = 1.4 for cold flow

$$W = 0.532 \left[\frac{P_T A}{\sqrt{T_T}} \right] [C_D]$$

The nozzle discharge coefficient is $0.985 \pm 1\%$ for the flow nozzles used. By operating one or both pipe flows and by using different size flow nozzles, required core flows were obtained.

3.2 ACOUSTIC DATA SYSTEMS

3.2.1 Acoustic Data Acquisition System

A schematic of the microphone data acquisition system used to obtain acoustic data during testing in the chamber is shown on Figure 15. This system has been optimized for obtaining the acoustic data up through the 80 kHz 1/3-octave center frequency, the design operating range of the facility.

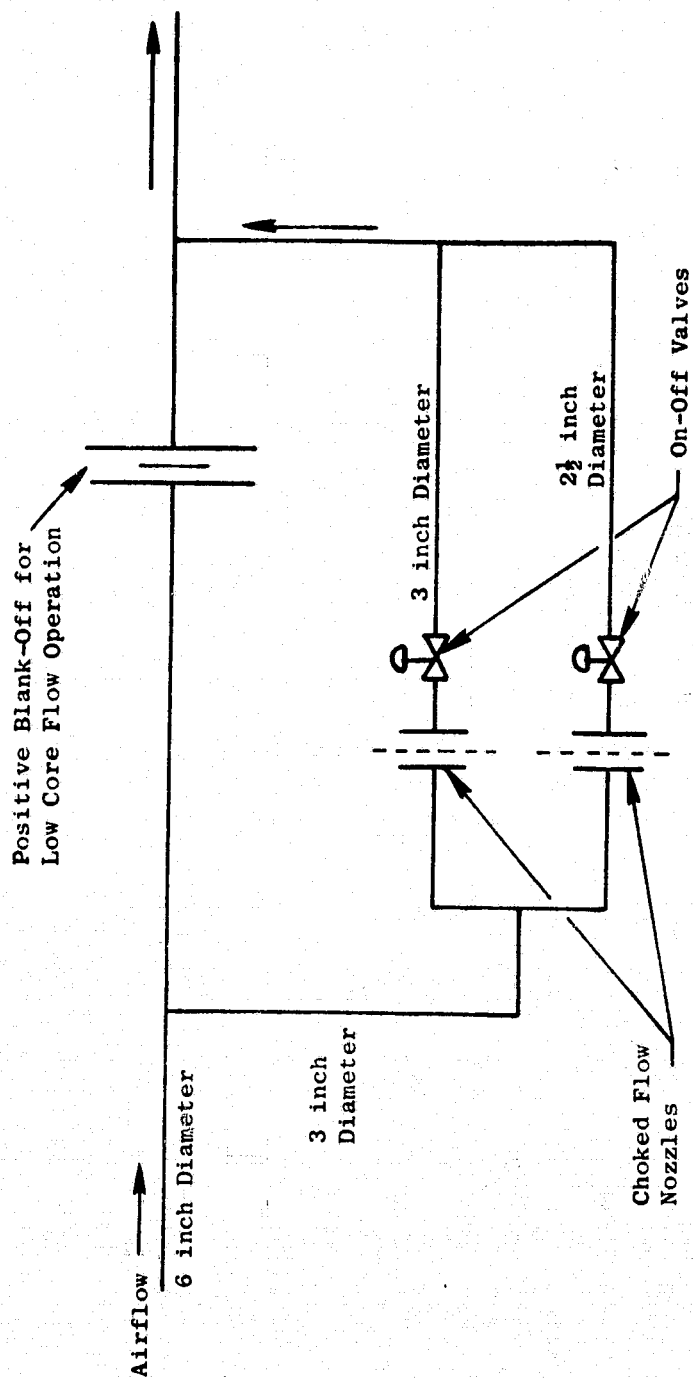


Figure 14. Schematic of Low Flow System for Inner Stream.

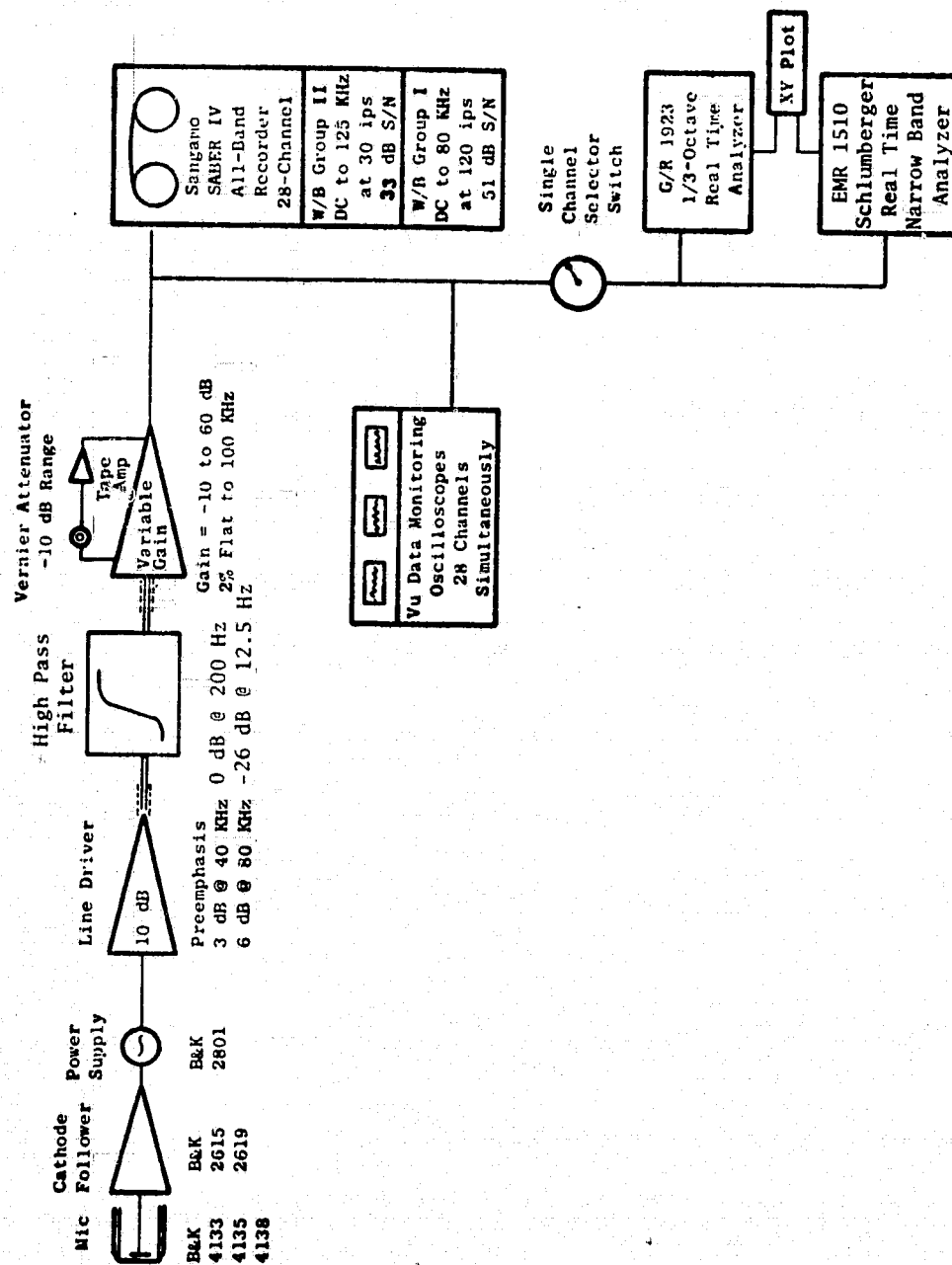


Figure 15. General Electric Facility Acoustic Data Acquisition System.

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The microphone type used to obtain 80 kHz data is the B&K 4135 0.64 cm condenser microphone for far-field measurements. All testing is conducted with microphone grid caps removed to obtain the best frequency response.

The cathode followers used in the chamber are transistorized B&K 2619's for optimum frequency response and lower inherent system noise characteristics relative to the 2615 cathode follower. During the original system check-out, it was observed that these preamplifiers were sensitive to case vibrations transmitted through the mounting arrangement. B&K representatives recommended modifying the transistor by adding a 51-ohm 1/4-watt carbon resistor, in series with the signal output lead, to obtain improved signal stability.

All systems utilize the B&K 2801 power supply operated in the direct mode, avoiding the sensitivity loss associated with the optional 50-ohm and 200-ohm transformer outputs.

The output of the power supply is connected to a line driver adding 10 dB of amplification to the signal as well as adding "preemphasis" to the high frequency portion of the spectrum. These amplifiers were designed by General Electric (AEG Electronic Instrumentation Group) and built by Random Electronics of Cincinnati. The net effect of this amplifier is a 10 dB gain at all frequencies, plus an additional 3 dB at 40 kHz and 6 dB at 80 kHz due to "preemphasis", increasing the ability to measure low amplitude high frequency data.

During system check-out, it was found that low frequency noise levels attributable to operation of adjacent engine test cells were being detected by the microphones within the test chamber. While the frequencies (less than 20 Hz) were below the range of interest, the amplitude was limiting the amount of amplification that could be used when recording the microphone signal, resulting in noise floor problems at higher frequencies. In order to remove this low frequency noise, high-pass filters with attenuations of approximately 26 dB at 12.5 Hz decreasing to 0 dB at 200 Hz, were installed in the system.

The tape recorder amplifiers were designed by General Electric and built by Random Electronics. They have a variable gain from -10 dB to +60 dB in 10 dB steps and a gain trim capability for normalizing incoming signals. The prime system used for recording acoustic data is a Sangamo/Sabre IV, 28-track FM recorder. The system is setup for Wideband Group I (intermediate band double extended) at 120 ips tape speed. While this high tape speed is unattractive, it does provide the improved dynamic range necessary for obtaining the high frequency/low amplitude portion of the acoustic signal. The tape recorder is set up for $\pm 40\%$ carrier deviation with a recording level of 8 V peak-peak. During recording, the signal is displayed on a calibrated master oscilloscope, and signal gain is adjusted to maximum without exceeding the 8 V peak-peak level.

Individual monitor scopes are used for observing signal characteristics during operation. On-line data monitoring is available via a Schlumberger EMR 1510 Analyzer or a General Radio 1921 1/3-Octave Analyzer with their outputs on display scopes or hard copy via an x-y plotter.

High-pass filters were incorporated in the acoustic data acquisition system to enhance high frequency data for microphones from 110° - 160° previously lost in the tape recorder electronic noise floor. The microphone signal below the 20 kHz 1/3-octave band was filtered out, and the gain for the remaining high frequency noise was increased to boost the signal to noise ratio. For microphones from 110° - 160° both the filtered and unfiltered signal was recorded on tape. For data below 20 kHz the unfiltered signal was used to calculate the sound pressure levels while for high frequencies the filtered signal was used. The entire jet noise spectra at a given angle was then obtained by merging these two spectra. Figure 16 illustrates how the high frequency spectra was improved using this technique.

3.2.2 Acoustic Data Reduction System

During testing, on-line monitoring of the microphone signals is provided by means of wave form presentation via an oscilloscope. In addition, on-line data analysis may be performed in 1/3-octave bands using a GR 1921 Spectrum Analyzer or by narrowband analysis using a Schlumberger EMR 1510 Spectrum Analyzer, with the results of either type of analysis displayed on an x-y plotter.

Off-line reduction of the recorded data is performed using the Automated 1/3-Octave Reduction System, shown schematically on Figure 17. The recorded data are played back on a CEC 3700 B, 28-track system, with electronics capable of reproducing IRIG Wideband Groups I and II and Intermediate band data.

In the automatic operating mode, control of the system is provided by means of the GEPAC-30 computer and operator-provided information. The data to be sampled are located by means of a time code reader, indexing from the time code signal recorded on the data tape. This tape shuttling is continued for each data channel, with sampling performed over the same time increment, until all channels of a particular reading have been processed. The system then advances to the next data point, based on the operator-supplied time reference, and repeats the shuttling process.

All 1/3-octave analyses are performed using a General Radio 1921 1/3-Octave Analyzer. A normal integration time of 16 seconds is used to provide adequate sampling of the low frequency portion of the data signal. The frequency range of processing is optional, with lower and upper limits of 12.5 Hz and 125 kHz, respectively, based on the filter set capability of the analyzer; however, data are normally acquired to 80 kHz because of acquisition system limitations. The analyzer has a rated accuracy of ± 0.5 dB with a 0.25 dB resolution capability in each band.

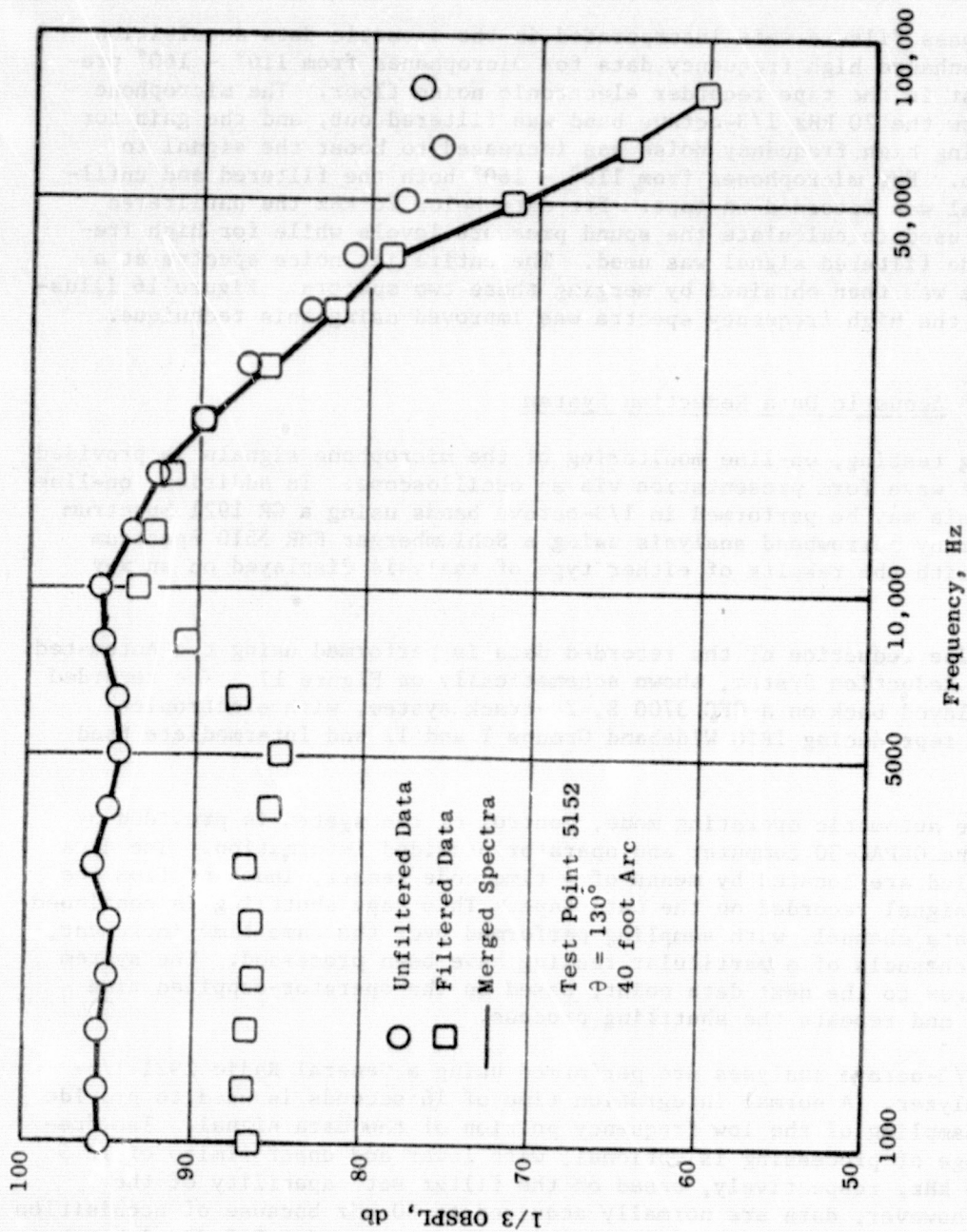


Figure 16. Effect of Dual-Filter System on Measured High Frequency Data.

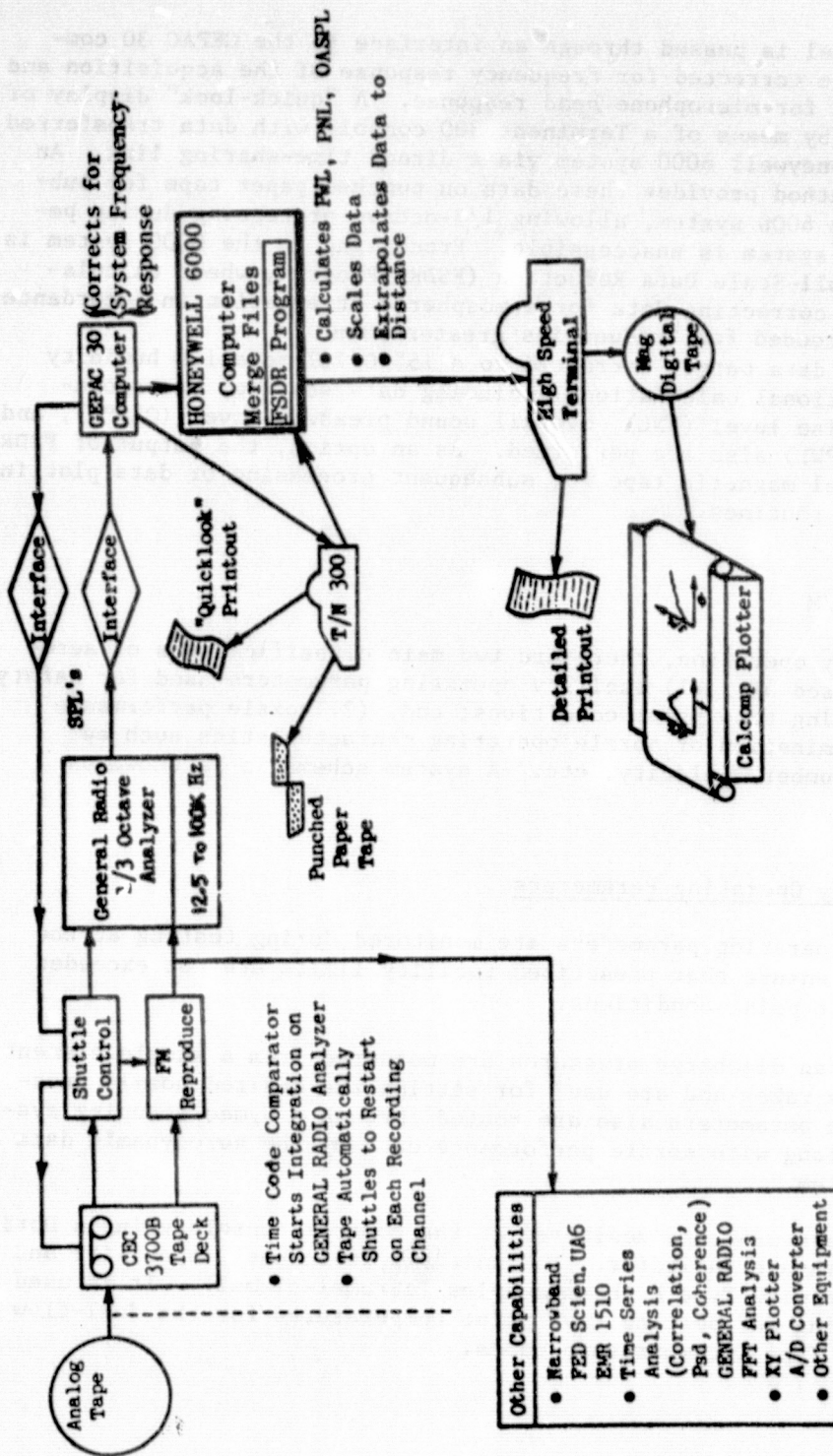


Figure 17. General Electric Acoustic Data Reduction System.

Each data channel is passed through an interface to the GEPAC 30 computer, where data are corrected for frequency response of the acquisition and reduction system and for microphone head response. A "quick-look" display of results is provided by means of a Terment 300 console with data transferred and stored in the Honeywell 6000 system via a direct time-sharing link. An alternate to this method provides these data on punched paper tape for subsequent input to the 6000 system, allowing 1/3-octave processing during periods when the 6000 system is inaccessible. Processing in the 6000 system is performed via the Full-Scale Data Reduction (FSDR) Program, where calculations are performed correcting data for atmospheric attenuation in accordance with SAE ARP 866 extended for frequencies greater than 10,000 Hz, with all data output corrected to a 15° C/70% relative humidity standard day. Additional calculations including data scaling, extrapolations, perceived noise level (PNL), overall sound pressure level (OASPL), and sound power level (PWL) also are performed. As an option, the output of FSDR is written on digital magnetic tape for subsequent processing or data plotting via Calcomp plotter routines.

3.3 AERO DATA SYSTEM

During facility operation, there are two main classifications of aerodynamic data comprised of: (1) facility operating parameters used for safety monitoring and setting test point conditions; and, (2) nozzle performance data used for determination of nozzle operating characteristics such as weight flow, Mach number, velocity, etc. A system schematic is shown on Figure 18.

3.3.1 Facility Operating Parameters

The facility operating parameters are monitored during testing at the control console to ensure that prescribed facility limits are not exceeded and for setting test point conditions.

The core and fan discharge pressures are measured from a single element on their respective rakes and are used for setting the desired nozzle pressure ratios. These parameters also are routed through a Dymec scanning system and recorded along with nozzle performance data by the aerodynamic data handling (ADH) system.

Facility temperatures are monitored at the control console using a Doric multichannel temperature indicator. The unit has 24-channel capability and is designed for use with Type K thermocouples (chromel-alumel). It is used for safety monitoring and setting test point temperatures for the dual-flow system, which uses Type K temperature rakes.

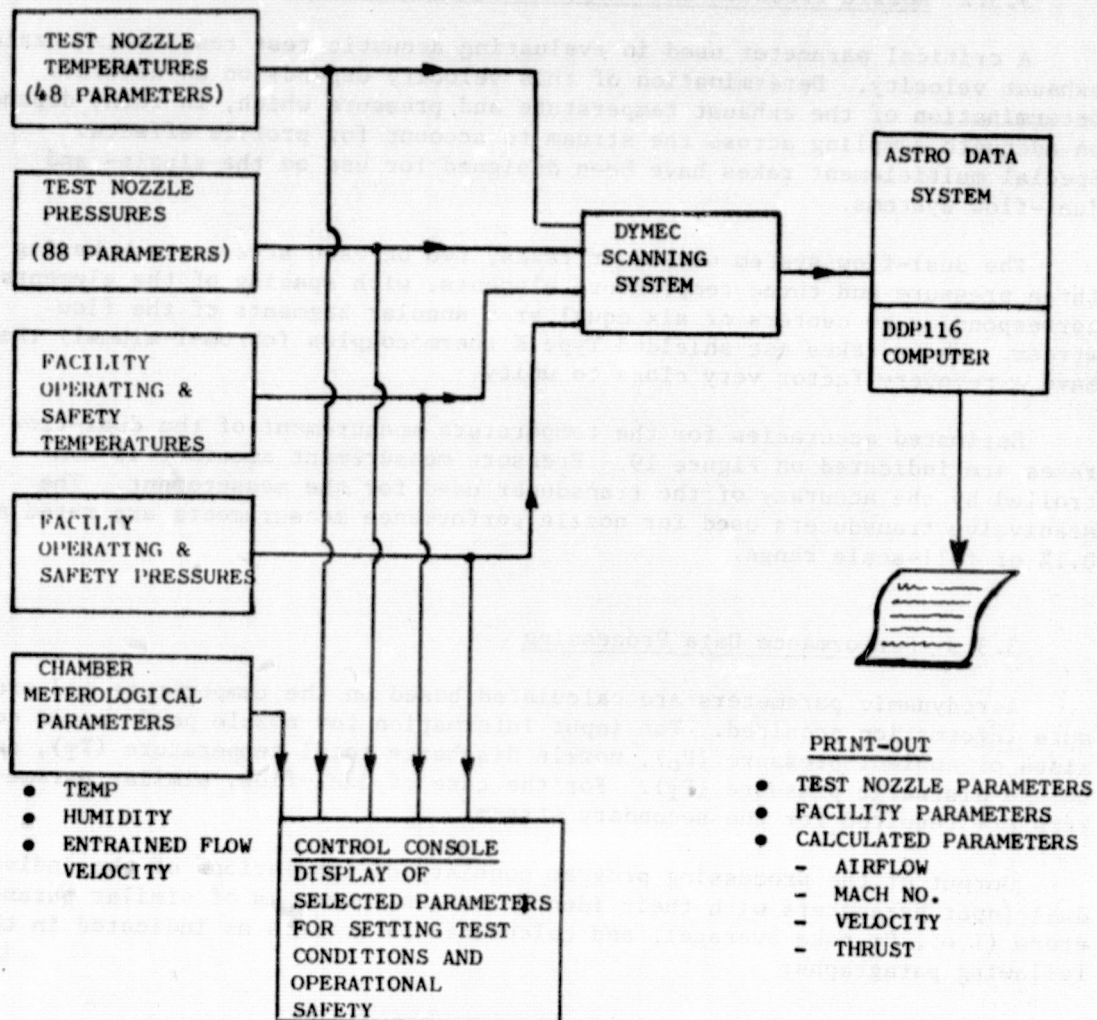


Figure 18. General Electric Anechoic Chamber Aerodynamic Data Processing System.

3.3.2 Nozzle Pressure and Temperature Measurements

A critical parameter used in evaluating acoustic test results is nozzle exhaust velocity. Determination of this velocity depends on an accurate determination of the exhaust temperature and pressure which, in turn, depend on adequate sampling across the stream to account for profile effects. Special multielement rakes have been designed for use on the single- and dual-flow systems.

The dual-flow system uses four rakes, two on each stream, each having three pressure and three temperature elements, with spacing of the elements corresponding to centers of six equal area annular segments of the flow stream. These rakes use shielded Type K thermocouples (chromel-alumel) that have a recovery factor very close to unity.

Estimated accuracies for the temperature measurement of the dual-flow rakes are indicated on Figure 19. Pressure measurement accuracy is controlled by the accuracy of the transducer used for the measurement. The scanivalve transducers used for nozzle performance measurements are rated at 0.1% of full-scale range.

3.3.3 Performance Data Processing

Aerodynamic parameters are calculated based on the temperature and pressure information acquired. The input information for nozzle performance consists of ambient pressure (P_o), nozzle discharge total temperature (T_T), and nozzle discharge pressure (P_T). For the case of dual-flow, similar parameters are required for the secondary stream.

Output of the processing program consists of tabulations of the individual input parameters with their identification, averages of similar parameters (i.e., P_T rake average), and calculated parameters as indicated in the following paragraphs:

1. Gamma

For $T_S \leq 440^\circ \text{ K } (788.3^\circ \text{ R})$; $\gamma = 1.4$

For $T_S > 440^\circ \text{ K } (788.3^\circ \text{ R})$; $\gamma = \frac{2.23708}{(T_S)^{0.070271}}$
with T_S in $^\circ \text{ R}$

2. Isentropic or Ideal Mach number

$$M = \left(\frac{2}{\gamma - 1} \right)^{1/2} \left(\left(\frac{P_T}{P_o} \right)^{\frac{\gamma - 1}{\gamma}} - 1 \right)^{1/2}$$

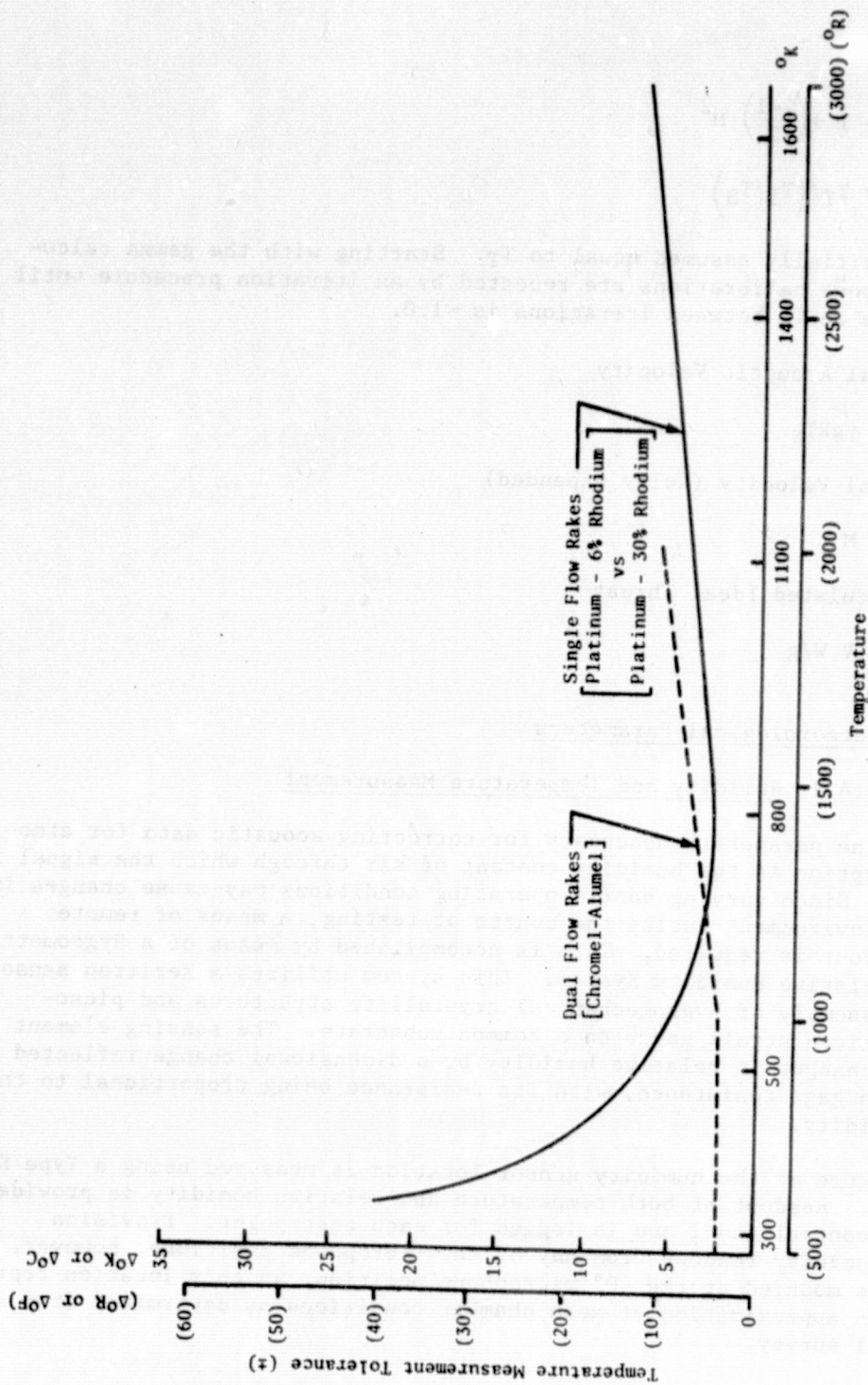


Figure 19. General Electric Anechoic Facility Temperature Measurement Tolerances.

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$$\frac{T_T}{T_S} = 1 + \left(\frac{\gamma-1}{2}\right) M^2$$

$$T_S = T_T / \left(T_T / T_S\right)$$

where T_S is initially assumed equal to T_T . Starting with the gamma calculation, the above calibrations are repeated by an iteration procedure until the difference in T_S between iterations is <1.0 .

3. Local Acoustic Velocity

$$c = \gamma g R T_S$$

4. Ideal Velocity (fully expanded)

$$V = M c$$

5. Calculated Ideal Thrust

$$F = V W/g$$

3.3.4 Meteorological Parameters

3.3.4.1 Humidity and Temperature Measurement

One of the parameters necessary for correcting acoustic data for atmospheric absorption is the humidity content of air through which the signal is propagating. Since varying nozzle operating conditions may cause changes in the chamber environment during the course of testing, a means of remote humidity readout is required. This is accomplished by means of a Hygrometrix Model 8501 Relative Humidity System. This system utilizes a Xeritron sensor that is an assembly of hygromechanical crystallite structures and piezo-resistive silicon strain gages on a common substrate. The sensing element responds to changes in relative humidity by a dimensional change reflected in the strain gage resistance, with its resistance being proportional to the relative humidity.

Temperature at the humidity sensor location is measured using a Type K thermocouple. Readout of both temperature and relative humidity is provided at the cell control panel and is logged for each test point. Provision exists for humidity readout from any of the microphone positions; however, the sensor is mounted at the 40° microphone position, as this location represented a good approximation of mean chamber conditions as determined from an environmental survey.

The manufacturer's stated accuracy for this system is $\pm 2\%$ over the range of -40°C to 1250°C . A detailed description of the sensor and signal-conditioning, readout, and calibration procedures may be found in the vendor's operations manual.

3.3.4.2 Wind Speed Measurement

To ensure that the requirement of an entrained airflow velocity not exceeding 2.13 m/sec was met, an anemometer system has been provided for use in this test chamber. This system can be affixed to any of the far-field microphone stations with remote digital readout at the control console. This unit is a Climet 011-1 wind speed transmitter, a research grade sensor using a 2-cup anemometer assembly and a light beam chopper producing a square wave output whose frequency is directly proportional to rotational speed. The velocity threshold of this instrument is 0.27 m/sec. Over the range from the threshold to 4.57 m/sec; the rated accuracy is ± 0.067 m/sec.

Based on results of the ambient survey conducted during chamber check-out, mounting the sensor at the 40° position was chosen as being representative of the chamber conditions.

3.4 ANALYSIS OF VARIANCE - OVERALL PRECISION OF THE ACOUSTIC MEASUREMENTS

There are two terms which are used to describe the deviation of data from its expected value: precision and accuracy. In a statistical sense precision is concerned with the random scatter of the data when comparing the mean of the data with a particular sample. Accuracy is a term describing the amount of bias or systematic error in a data population when comparing the mean to a fixed or known value.

Figure 20 represents a montage of error sources which contaminate the pure jet noise and result in significant loss of accuracy and precision. Such biasing errors include contamination from:

- Item 1. Non-anechoic environment and near-field deviations from inverse square law
- Item 2. Variation of the frequency response of the data acquisition and reduction systems
- Item 3. Inaccuracies in aerodynamic instrumentation of fluctuations in the jet aerodynamic conditions
- Item 4. Precision errors in the air attenuation model due to environmental fluctuations, gradients and measurement inaccuracies
- Item 5. Ambient levels in the chamber

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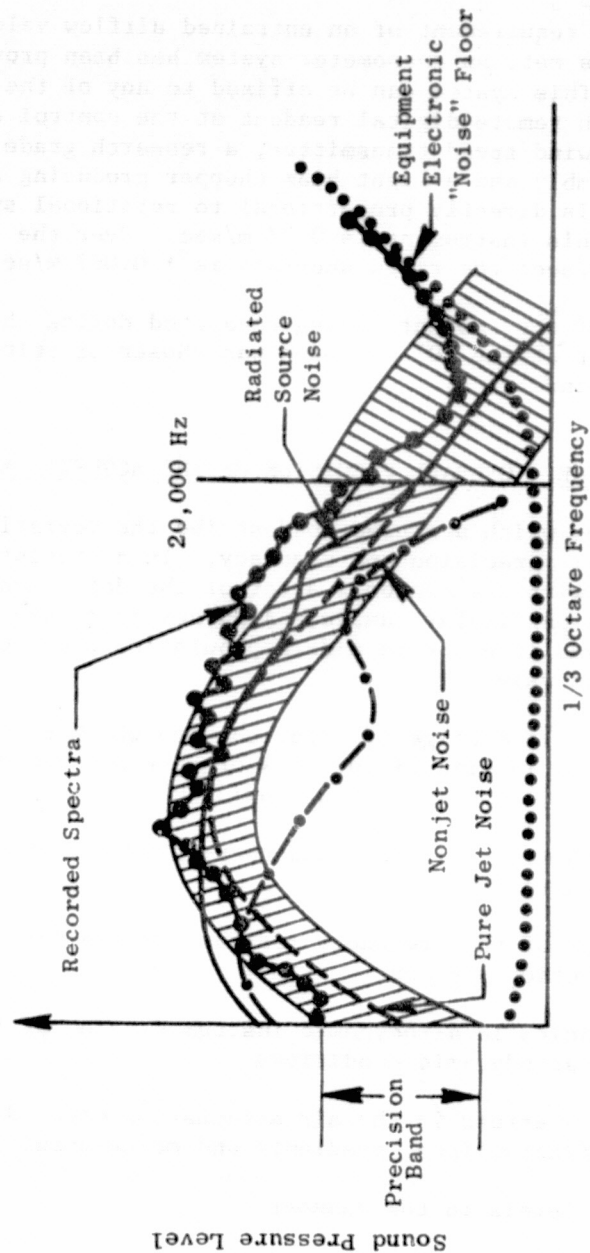


Figure 20. Montage of Possible Contaminants to Acoustic Measurements.

Item 6. Contamination from piping and combustors

Item 7. Contamination from electronic noise floor.

The problem is then defined. Given an acoustic facility which generates a typical frequency spectrum such as shown by the symbols on Figure 20, make the necessary modification or establish appropriate correction factors to the data so the facility will produce the desired jet noise spectra indicated by the dashed line on Figure 20. Furthermore, the precision of the final corrected sound pressure level with frequency will exhibit specific standard deviations from the lowest frequency of interest to 80 kHz as indicated by the precision band on the figure.

Calculation of the precision error was carried out for an ambient temperature of 15° C and 70% relative humidity and three representative jet conditions:

Case	T_T	V
	K	m/sec
1	900	427
2	600	305
3	300	213

Table 3 shows the intermediate standard deviation obtained from root sum square of the standard deviations from inverse square law testing which is σ_1 , acoustic instrumentation, σ_2 , aerodynamic instrumentation, σ_3 , and fluctuations in the air attenuation correction at 70% RH, σ_4 . Details of these calculations are presented in Reference 1.

The three jet spectra at 90° are shown plotted on Figure 21 using SAE ARP 876 prediction scheme. Superimposed are the contamination levels from ambient noise, microphone floor and flow noise with the transmission loss subtracted to account for the attenuation by the nozzle. The cell ambient is seen to have no effect on the jet levels. The microphone floor has minor influence on the 80 kHz and 100 kHz levels of Cases 2 and 3. Flow noise corrected or nozzle attenuation affects the jet noise below 630 Hz. Assuming a standard deviation of ± 5 dB for both the flow noise and the microphone floor, the total standard deviation of the measurement was calculated from the values in Table 3. The results are given on Table 4.

1. Report No. FAA-RD-76-79, 1A; High Velocity Jet Noise Source Location and Reduction; Task 1 Supplement - Certification of the 14 General Electric Jet Noise Anechoic Test Facility; February, 1977.

Table 3. Standard Deviation Due to Deviation from Inverse Square Law, Acoustic and Aerodynamic Instrumentation Accuracy, and Air Attenuation Fluctuations.

f	Near Field σ_1^* 3-11)	Frequency Response σ_2	Aerodynamic Instrumentation σ_3	Air Attenuation Precision σ_4^{**}	σ_{int}
100	1.7	0.28	0.5	0	1.79
125	0.95	0.28	0.5	0	1.23
160	0.4	0.28	0.5	0	0.7
200	0.75	0.28	0.5	0	0.94
250	0.4	0.28	0.5	0	0.7
315	0.4	0.28	0.5	0	0.7
400	0.3	0.28	0.5	0	0.67
500	0.35	0.28	0.5	0	0.67
630	0.55	0.28	0.5	0	0.8
800	0.35	0.28	0.5	0	0.67
1000	0.4	0.28	0.5	0	0.7
1250	0.25	0.28	0.5	0	0.63
1600	0.45	0.28	0.5	0	0.73
2000	0.4	0.28	0.5	0	0.7
2500	0.4	0.28	0.5	0	0.7
3150	0.25	0.28	0.5	0	0.63
4000	0.35	0.28	0.5	0	0.67
5000	0.4	0.28	0.5	0	0.7
6300	0.45	0.28	0.5	0	0.73
8000	0.7	0.28	0.5	0	0.9
10000	0.6	0.33	0.5	0	0.84
12500	0.6	0.33	0.5	0.1	0.85
16000	0.75	0.33	0.5	0.2	0.98
20000	0.65	0.33	0.5	0.35	0.99
25000	0.6	0.33	0.5	0.5	0.99
31500	0.55	0.33	0.5	0.7	1.07
40000	0.7	0.33	0.5	0.95	1.33
50000	0.8	0.33	0.5	1.25	1.6
63000	0.8	0.33	0.5	1.6	1.89
80000	1.2	0.33	0.5	2.2	2.58
100000	0.75	0.33	0.5	3.0	3.15

* Most Severe Case

** At 70%

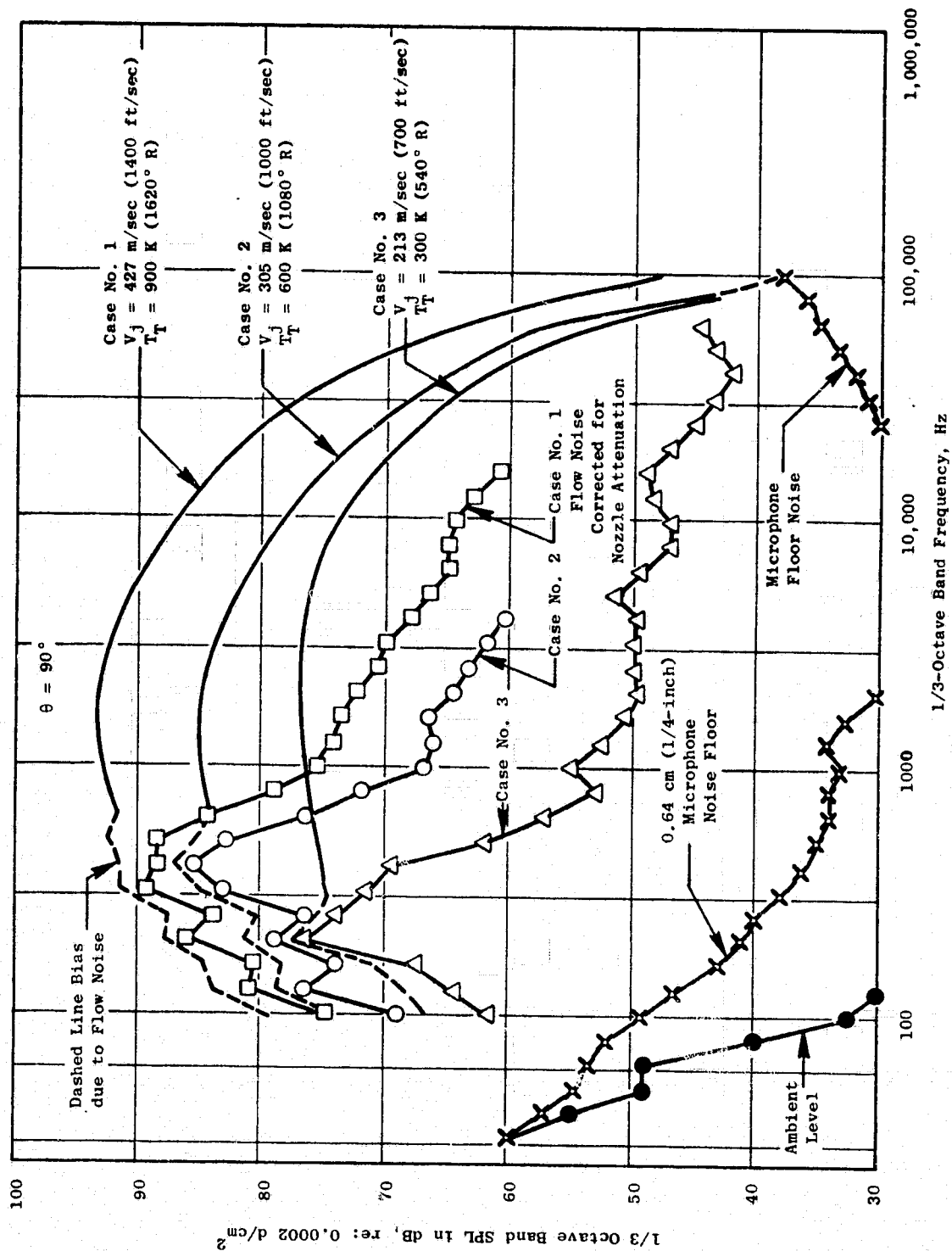


Figure 21. Overlay of Contamination Sources Added to Jet Noise.

Table 4. Standard Deviation Due to Flow Noise and Microphone Floor.

$$\sigma_6 = \sigma_{\text{flow noise}} = 5 \text{ dB}$$

Hz	Case 1		Case 2		Case 3	
	σ	σ_{Total}	σ	σ_{Total}	σ	σ_{Total}
100	3.0	2.05	4.5	1.86	3.5	1.98
125	-0.5	2.44	-2.0	2.08	1.5	2.19
160	2.0	1.98	2.0	1.98	1.0	2.25
200	-3.0	1.78	-1.5	2.14	-7.0	1.14
250	1.0	2.25	1.5	2.11	-3.0	1.73
315	-1.7	2.06	-2.7	1.81	0.5	2.39
400	0.5	2.38	-4.0	1.50	4.0	1.50
500	2.0	1.98	-1.0	2.24	13.0	0.68
630	6.4	1.14	6.9	1.08	---	---
80K	---	---	5.0	2.27	5.0	2.27
100K	9.5	2.85	-7.5	4.24	-7.5	4.25

(Mic Floor)

$$\sigma_{\text{Mic}} = 5$$

Tape recorder noise floor would have the most severe effect on Case 2, since its spectrum peak is at the lowest frequency. This situation is studied in Figure 22 at the optimum gain, which may typically be experienced in practice (10 dB off and 20 dB off). The Wideband Group I recorder floor is seen to influence the jet spectra to various degrees above 40 kHz. Table 5 presents the calculation of the total standard deviation from the values in Tables 3 and 4.

Figure 23 shows the composite standard deviation of measured data from all contamination sources. Over the 400 Hz to 80 kHz range interest measurements to within ± 2.5 dB standard deviation can be obtained. Between 630 Hz and 31.5 kHz, the precision is within ± 1 dB.

Bias errors which give repeatable deviations from pure jet noise due to flow noise, electronic noise floor or inaccurate air attenuation corrections have not been considered in this calculation because of lack of information about the degree of bias in any particular situation. It is noted with respect to the electronic noise floor that for this program a dual filter technique was utilized to eliminate the electronic noise floor at the high frequencies. This technique is discussed in Section 3.2.1. Floor noise is only significant at low frequencies and when the model scale data is scaled up to full size, this flow noise is shifted to frequencies (less than 50 Hz) which have very low noise weightings.

3.5 CERTIFICATION

Reference 1 summarizes the certification testing of the General Electric Jet Noise Anechoic Test Facility which was used in this program. A complete description of the facility is presented along with an evaluation of the precision and accuracy of the acoustic measurements. Jet Noise measurements from conical nozzles are compared with classical referee data.

Table 5. Contamination from Tape Recorder Floor.

(Case 2: $T_T = 600$ K (1080° R); $V_j = 305$ m/sec (1000 ft/sec)

$$\sigma_7 = \sigma_{\text{floor}} = 3 \text{ dB}$$

kHz	Optimum Gain		Off 10 dB in Gain		Off 20 dB in Gain	
	δ	σ_{Total}	δ	σ_{Total}	δ	σ_{Total}
40					8.5	1.2
50					3.5	1.44
63			7.5		-2.5	2.55
80	5.0	2.09	-3.0	1.86	-13.0	2.32
100	-8.0	3.83	-18.0	3.0	-28.0	3.0

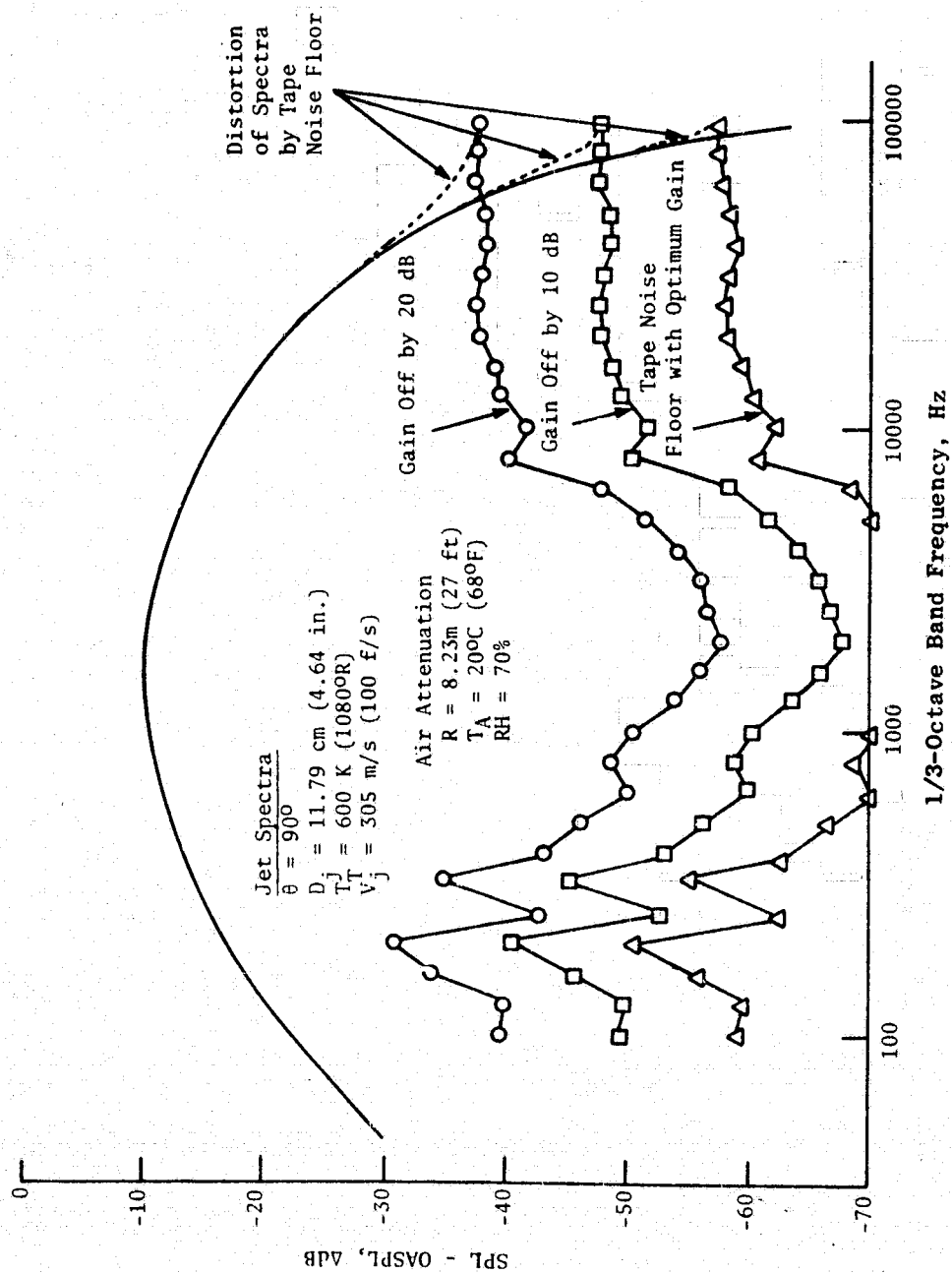


Figure 22. Example of Possible Electronic Noise Floor Contamination of Jet Noise Spectra.

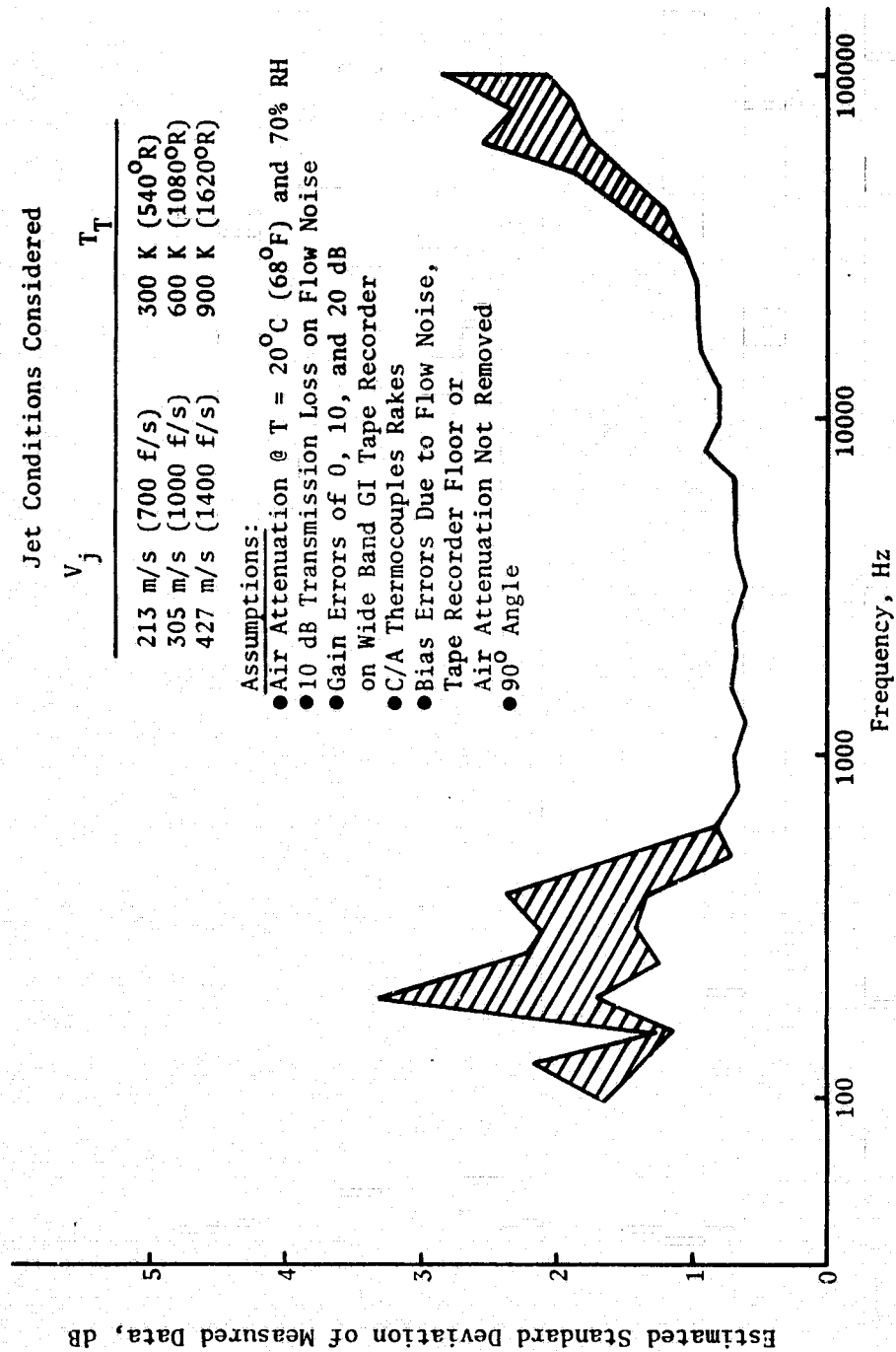


Figure 23. Estimated Standard Deviation of Measured Data due to all Contaminates in the General Electric Jet Noise Anechoic Chamber.

4.0 ACOUSTIC TEST POINT DEFINITION

The following pages define the measured aerodynamic test conditions for the acoustic test points taken on each configuration. For convenience, the parameters are presented in both English units (Table 6) and in the International System of Units (Table 7). Besides the inner and outer flow aerodynamic parameters, the "mixed" conditions are also tabulated. These "mixed" conditions were calculated assuming that the inner and outer streams are perfectly mixed together. The resulting mixed velocity (V^{MIX}) and total temperature (T_T^{MIX}) are defined as

$$V^{MIX} = \frac{V^O W^O + V^I W^I}{W^O + W^I}$$

and

$$T_T^{MIX} = \frac{T_T^O W^O + T_T^I W^I}{W^O + W^I}$$

From this mixed velocity and total temperature, the other mixed aerodynamic parameters were calculated using standard compressible fluid flow equations which can be found in Reference 2.

Reference 2. I.H. Edelfelt, Compressible Flow Data, General Electric Report Number R52GL-300 dated December 9, 1952.

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Table 6. Measured Aerodynamic Parameters - English Units.

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Table 6. Continued.

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Test Point	P _r	V ₀ ft/sec	T ₀ °R	T ₀ °F	V ₀ lbm/sec	P ₀ lbf	P _r ft/sec	T ₀ °R	T ₀ °F	V ₁ ft/sec	P ₁ lbf	P _r ft/sec	T ₁ °R	T ₁ °F	V ₁ lbm/sec	V _T lbm/sec	T _T °R	T _T °F	V _T lbm/sec	V _T lbm/sec	V _T °R	V _T °F
440	1.74	1633.	1502.	1300.	3.78	192.	2.02	1352.	837.	685.	6.11	257.	1.86	1459.	1091.	919.	9.88	448.	0.83	0.62	0.38	
441	1.98	1870.	1628.	1366.	4.12	240.	2.48	1521.	841.	678.	7.50	354.	2.19	1645.	1120.	900.	11.62	594.	0.81	0.65	0.35	
442	2.18	1987.	1631.	1333.	4.54	280.	3.05	1661.	842.	612.	9.19	475.	2.50	1769.	1103.	845.	13.73	755.	0.84	0.67	0.33	
443	2.04	1907.	1625.	1352.	4.26	252.	2.08	1383.	845.	646.	6.25	269.	2.02	1595.	1161.	956.	10.51	521.	0.73	0.59	0.41	
444	2.39	2158.	1735.	1387.	4.82	324.	2.50	1524.	846.	647.	7.54	357.	2.37	1771.	1189.	936.	12.37	681.	0.71	0.61	0.39	
445	2.80	2299.	1703.	1303.	5.71	408.	3.05	1669.	849.	617.	9.17	476.	2.84	1911.	1176.	878.	14.88	884.	0.73	0.62	0.38	
446	2.43	2192.	1765.	1407.	4.45	330.	1.99	1346.	845.	694.	5.99	251.	2.15	1724.	1256.	1020.	10.84	541.	0.61	0.55	0.45	
447	3.65	2477.	1633.	1157.	7.59	584.	2.53	1558.	867.	665.	7.52	364.	3.01	2019.	1252.	922.	15.11	949.	0.63	0.50	0.50	
448	4.03	2572.	1656.	1142.	8.32	665.	3.02	1625.	812.	592.	9.27	468.	3.39	2073.	1211.	859.	17.59	1134.	0.63	0.53	0.47	
484	4.53	2620.	1612.		9.49	772.	2.98	1651.	846.		8.97	460.		2149.	1240.		18.47	1232.	0.63	0.49	0.51	
4197	2.68	2287.	1751.	1358.	5.37	382.	1.10	480.	730.	711.	2.08	31.	1.99	1782.	1466.	1222.	7.46	413.	0.21	0.28	0.72	
4198	2.68	2287.	1752.	1359.	5.37	382.	1.26	713.	655.	613.	3.59	80.	1.94	1656.	1312.	1097.	8.46	461.	0.31	0.40	0.50	
4110	2.75	2307.	1743.	1342.	5.53	396.	1.34	908.	850.	781.	3.59	101.	2.03	1756.	1392.	1152.	9.11	497.	0.39	0.39	0.61	
4112	2.76	2331.	1770.	1362.	5.51	399.	2.05	1374.	848.	691.	6.16	263.	2.33	1826.	1284.	1019.	11.07	662.	0.59	0.53	0.47	
4113	2.75	2312.	1746.	1347.	5.52	397.	2.79	1651.	840.	627.	8.42	419.	2.67	1883.	1200.	913.	13.94	816.	0.69	0.60	0.40	
4114	2.67	2288.	1755.	1362.	5.36	381.	1.15	568.	687.	660.	2.65	47.	1.95	1718.	1401.	1173.	8.01	428.	0.25	0.33	0.67	
4115	2.84	2330.	1731.	1321.	5.73	415.	1.63	1142.	837.	728.	4.84	172.	2.18	1786.	1322.	1071.	10.56	586.	0.49	0.46	0.54	
4116	2.76	2288.	1707.	1311.	5.62	400.	1.86	1264.	820.	687.	5.68	223.	2.25	1773.	1261.	1011.	11.29	623.	0.55	0.50	0.50	
4118	2.69	2293.	1754.	1359.	5.39	384.	1.05	353.	785.	775.	1.41	15.	2.09	1892.	1554.	1282.	6.80	400.	0.15	0.21	0.79</	

Table 6. Continued.

Test Point	P _r	V ₀	T ₀	T ₀	W ⁰	P ⁰	P _r	V ¹	T ¹	W ¹	P ¹	P _r	V ²	T ²	W ²	P ²	V ³	T ³	W ³	P ³	V ⁴	T ⁴	W ⁴	P ⁴	V ⁵	T ⁵	W ⁵	P ⁵	V ⁶	T ⁶	W ⁶	P ⁶	V ⁷	T ⁷	W ⁷	P ⁷	V ⁸	T ⁸	W ⁸	P ⁸	V ⁹	T ⁹	W ⁹	P ⁹	V ¹⁰	T ¹⁰	W ¹⁰	P ¹⁰	V ¹¹	T ¹¹	W ¹¹	P ¹¹	V ¹²	T ¹²	W ¹²	P ¹²	V ¹³	T ¹³	W ¹³	P ¹³	V ¹⁴	T ¹⁴	W ¹⁴	P ¹⁴	V ¹⁵	T ¹⁵	W ¹⁵	P ¹⁵	V ¹⁶	T ¹⁶	W ¹⁶	P ¹⁶	V ¹⁷	T ¹⁷	W ¹⁷	P ¹⁷	V ¹⁸	T ¹⁸	W ¹⁸	P ¹⁸	V ¹⁹	T ¹⁹	W ¹⁹	P ¹⁹	V ²⁰	T ²⁰	W ²⁰	P ²⁰	V ²¹	T ²¹	W ²¹	P ²¹	V ²²	T ²²	W ²²	P ²²	V ²³	T ²³	W ²³	P ²³	V ²⁴	T ²⁴	W ²⁴	P ²⁴	V ²⁵	T ²⁵	W ²⁵	P ²⁵	V ²⁶	T ²⁶	W ²⁶	P ²⁶	V ²⁷	T ²⁷	W ²⁷	P ²⁷	V ²⁸	T ²⁸	W ²⁸	P ²⁸	V ²⁹	T ²⁹	W ²⁹	P ²⁹	V ³⁰	T ³⁰	W ³⁰	P ³⁰	V ³¹	T ³¹	W ³¹	P ³¹	V ³²	T ³²	W ³²	P ³²	V ³³	T ³³	W ³³	P ³³	V ³⁴	T ³⁴	W ³⁴	P ³⁴	V ³⁵	T ³⁵	W ³⁵	P ³⁵	V ³⁶	T ³⁶	W ³⁶	P ³⁶	V ³⁷	T ³⁷	W ³⁷	P ³⁷	V ³⁸	T ³⁸	W ³⁸	P ³⁸	V ³⁹	T ³⁹	W ³⁹	P ³⁹	V ⁴⁰	T ⁴⁰	W ⁴⁰	P ⁴⁰	V ⁴¹	T ⁴¹	W ⁴¹	P ⁴¹	V ⁴²	T ⁴²	W ⁴²	P ⁴²	V ⁴³	T ⁴³	W ⁴³	P ⁴³	V ⁴⁴	T ⁴⁴	W ⁴⁴	P ⁴⁴	V ⁴⁵	T ⁴⁵	W ⁴⁵	P ⁴⁵	V ⁴⁶	T ⁴⁶	W ⁴⁶	P ⁴⁶	V ⁴⁷	T ⁴⁷	W ⁴⁷	P ⁴⁷	V ⁴⁸	T ⁴⁸	W ⁴⁸	P ⁴⁸	V ⁴⁹	T ⁴⁹	W ⁴⁹	P ⁴⁹	V ⁵⁰	T ⁵⁰	W ⁵⁰	P ⁵⁰	V ⁵¹	T ⁵¹	W ⁵¹	P ⁵¹	V ⁵²	T ⁵²	W ⁵²	P ⁵²	V ⁵³	T ⁵³	W ⁵³	P ⁵³	V ⁵⁴	T ⁵⁴	W ⁵⁴	P ⁵⁴	V ⁵⁵	T ⁵⁵	W ⁵⁵	P ⁵⁵	V ⁵⁶	T ⁵⁶	W ⁵⁶	P ⁵⁶	V ⁵⁷	T ⁵⁷	W ⁵⁷	P ⁵⁷	V ⁵⁸	T ⁵⁸	W ⁵⁸	P ⁵⁸	V ⁵⁹	T ⁵⁹	W ⁵⁹	P ⁵⁹	V ⁶⁰	T ⁶⁰	W ⁶⁰	P ⁶⁰	V ⁶¹	T ⁶¹	W ⁶¹	P ⁶¹	V ⁶²	T ⁶²	W ⁶²	P ⁶²	V ⁶³	T ⁶³	W ⁶³	P ⁶³	V ⁶⁴	T ⁶⁴	W ⁶⁴	P ⁶⁴	V ⁶⁵	T ⁶⁵	W ⁶⁵	P ⁶⁵	V ⁶⁶	T ⁶⁶	W ⁶⁶	P ⁶⁶	V ⁶⁷	T ⁶⁷	W ⁶⁷	P ⁶⁷	V ⁶⁸	T ⁶⁸	W ⁶⁸	P ⁶⁸	V ⁶⁹	T ⁶⁹	W ⁶⁹	P ⁶⁹	V ⁷⁰	T ⁷⁰	W ⁷⁰	P ⁷⁰	V ⁷¹	T ⁷¹	W ⁷¹	P ⁷¹	V ⁷²	T ⁷²	W ⁷²	P ⁷²	V ⁷³	T ⁷³	W ⁷³	P ⁷³	V ⁷⁴	T ⁷⁴	W ⁷⁴	P ⁷⁴	V ⁷⁵	T ⁷⁵	W ⁷⁵	P ⁷⁵	V ⁷⁶	T ⁷⁶	W ⁷⁶	P<
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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

Test Point	P ₀	V ₀	T ₀	T ₀ ⁰	V ₀ ⁰	P ₀ ⁰	V ₀ ¹	T ₀ ¹	V ₀ ¹	P ₀ ¹	V ₀ ²	T ₀ ²	V ₀ ²	P ₀ ²	V ₀ ³	T ₀ ³	V ₀ ³	P ₀ ³	V ₀ ⁴	T ₀ ⁴	V ₀ ⁴	P ₀ ⁴	V ₀ ⁵	T ₀ ⁵	V ₀ ⁵	P ₀ ⁵	V ₀ ⁶	T ₀ ⁶	V ₀ ⁶	P ₀ ⁶	V ₀ ⁷	T ₀ ⁷	V ₀ ⁷	P ₀ ⁷	V ₀ ⁸	T ₀ ⁸	V ₀ ⁸	P ₀ ⁸	V ₀ ⁹	T ₀ ⁹	V ₀ ⁹	P ₀ ⁹	V ₀ ¹⁰	T ₀ ¹⁰	V ₀ ¹⁰	P ₀ ¹⁰	V ₀ ¹¹	T ₀ ¹¹	V ₀ ¹¹	P ₀ ¹¹	V ₀ ¹²	T ₀ ¹²	V ₀ ¹²	P ₀ ¹²	V ₀ ¹³	T ₀ ¹³	V ₀ ¹³	P ₀ ¹³	V ₀ ¹⁴	T ₀ ¹⁴	V ₀ ¹⁴	P ₀ ¹⁴	V ₀ ¹⁵	T ₀ ¹⁵	V ₀ ¹⁵	P ₀ ¹⁵	V ₀ ¹⁶	T ₀ ¹⁶	V ₀ ¹⁶	P ₀ ¹⁶	V ₀ ¹⁷	T ₀ ¹⁷	V ₀ ¹⁷	P ₀ ¹⁷	V ₀ ¹⁸	T ₀ ¹⁸	V ₀ ¹⁸	P ₀ ¹⁸	V ₀ ¹⁹	T ₀ ¹⁹	V ₀ ¹⁹	P ₀ ¹⁹	V ₀ ²⁰	T ₀ ²⁰	V ₀ ²⁰	P ₀ ²⁰	V ₀ ²¹	T ₀ ²¹	V ₀ ²¹	P ₀ ²¹	V ₀ ²²	T ₀ ²²	V ₀ ²²	P ₀ ²²	V ₀ ²³	T ₀ ²³	V ₀ ²³	P ₀ ²³	V ₀ ²⁴	T ₀ ²⁴	V ₀ ²⁴	P ₀ ²⁴	V ₀ ²⁵	T ₀ ²⁵	V ₀ ²⁵	P ₀ ²⁵	V ₀ ²⁶	T ₀ ²⁶	V ₀ ²⁶	P ₀ ²⁶	V ₀ ²⁷	T ₀ ²⁷	V ₀ ²⁷	P ₀ ²⁷	V ₀ ²⁸	T ₀ ²⁸	V ₀ ²⁸	P ₀ ²⁸	V ₀ ²⁹	T ₀ ²⁹	V ₀ ²⁹	P ₀ ²⁹	V ₀ ³⁰	T ₀ ³⁰	V ₀ ³⁰	P ₀ ³⁰	V ₀ ³¹	T ₀ ³¹	V ₀ ³¹	P ₀ ³¹	V ₀ ³²	T ₀ ³²	V ₀ ³²	P ₀ ³²	V ₀ ³³	T ₀ ³³	V ₀ ³³	P ₀ ³³	V ₀ ³⁴	T ₀ ³⁴	V ₀ ³⁴	P ₀ ³⁴	V ₀ ³⁵	T ₀ ³⁵	V ₀ ³⁵	P ₀ ³⁵	V ₀ ³⁶	T ₀ ³⁶	V ₀ ³⁶	P ₀ ³⁶	V ₀ ³⁷	T ₀ ³⁷	V ₀ ³⁷	P ₀ ³⁷	V ₀ ³⁸	T ₀ ³⁸	V ₀ ³⁸	P ₀ ³⁸	V ₀ ³⁹	T ₀ ³⁹	V ₀ ³⁹	P ₀ ³⁹	V ₀ ⁴⁰	T ₀ ⁴⁰	V ₀ ⁴⁰	P ₀ ⁴⁰	V ₀ ⁴¹	T ₀ ⁴¹	V ₀ ⁴¹	P ₀ ⁴¹	V ₀ ⁴²	T ₀ ⁴²	V ₀ ⁴²	P ₀ ⁴²	V ₀ ⁴³	T ₀ ⁴³	V ₀ ⁴³	P ₀ ⁴³	V ₀ ⁴⁴	T ₀ ⁴⁴	V ₀ ⁴⁴	P ₀ ⁴⁴	V ₀ ⁴⁵	T ₀ ⁴⁵	V ₀ ⁴⁵	P ₀ ⁴⁵	V ₀ ⁴⁶	T ₀ ⁴⁶	V ₀ ⁴⁶	P ₀ ⁴⁶	V ₀ ⁴⁷	T ₀ ⁴⁷	V ₀ ⁴⁷	P ₀ ⁴⁷	V ₀ ⁴⁸	T ₀ ⁴⁸	V ₀ ⁴⁸	P ₀ ⁴⁸	V ₀ ⁴⁹	T ₀ ⁴⁹	V ₀ ⁴⁹	P ₀ ⁴⁹	V ₀ ⁵⁰	T ₀ ⁵⁰	V ₀ ⁵⁰	P ₀ ⁵⁰	V ₀ ⁵¹	T ₀ ⁵¹	V ₀ ⁵¹	P ₀ ⁵¹	V ₀ ⁵²	T ₀ ⁵²	V ₀ ⁵²	P ₀ ⁵²	V ₀ ⁵³	T ₀ ⁵³	V ₀ ⁵³	P ₀ ⁵³	V ₀ ⁵⁴	T ₀ ⁵⁴	V ₀ ⁵⁴	P ₀ ⁵⁴	V ₀ ⁵⁵	T ₀ ⁵⁵	V ₀ ⁵⁵	P ₀ ⁵⁵	V ₀ ⁵⁶	T ₀ ⁵⁶	V ₀ ⁵⁶	P ₀ ⁵⁶	V ₀ ⁵⁷	T ₀ ⁵⁷	V ₀ ⁵⁷	P ₀ ⁵⁷	V ₀ ⁵⁸	T ₀ ⁵⁸	V ₀ ⁵⁸	P ₀ ⁵⁸	V ₀ ⁵⁹	T ₀ ⁵⁹	V ₀ ⁵⁹	P ₀ ⁵⁹	V ₀ ⁶⁰	T ₀ ⁶⁰	V ₀ ⁶⁰	P ₀ ⁶⁰	V ₀ ⁶¹	T ₀ ⁶¹	V ₀ ⁶¹	P ₀ ⁶¹	V ₀ ⁶²	T ₀ ⁶²	V ₀ ⁶²	P ₀ ⁶²	V ₀ ⁶³	T ₀ ⁶³	V ₀ ⁶³	P ₀ ⁶³	V ₀ ⁶⁴	T ₀ ⁶⁴	V ₀ ⁶⁴	P ₀ ⁶⁴	V ₀ ⁶⁵	T ₀ ⁶⁵	V ₀ ⁶⁵	P ₀ ⁶⁵	V ₀ ⁶⁶	T ₀ ⁶⁶	V ₀ ⁶⁶	P ₀ ⁶⁶	V ₀ ⁶⁷	T ₀ ⁶⁷	V ₀ ⁶⁷	P ₀ ⁶⁷	V ₀ ⁶⁸	T ₀ ⁶⁸	V ₀ ⁶⁸	P ₀ ⁶⁸	V ₀ ⁶⁹	T ₀ ⁶⁹	V ₀ ⁶⁹	P ₀ ⁶⁹	V ₀ ⁷⁰	T ₀ ⁷⁰	V ₀ ⁷⁰	P ₀ ⁷⁰	V ₀ ⁷¹	T ₀ ⁷¹	V ₀ ⁷¹	P ₀ ⁷¹	V ₀ ⁷²	T ₀ ⁷²	V ₀ ⁷²	P ₀ ⁷²	V ₀ ⁷³	T ₀ ⁷³	V ₀ ⁷³	P ₀ ⁷³	V ₀ ⁷⁴	T ₀ ⁷⁴	V ₀ ⁷⁴	P ₀ ⁷⁴	V ₀ ⁷⁵	T ₀ ⁷⁵	V ₀ ⁷⁵	P ₀ ⁷⁵	V ₀ ⁷⁶	T ₀ ⁷⁶	V ₀ ⁷⁶	P ₀ ⁷⁶	V ₀ ⁷⁷	T ₀ ⁷⁷	V ₀ ⁷⁷	P ₀ ⁷⁷	V ₀ ⁷⁸	T ₀ ⁷⁸	V ₀ ⁷⁸	P ₀ ⁷⁸	V ₀ ⁷⁹	T ₀ ⁷⁹	V ₀ ⁷⁹	P ₀ ⁷⁹	V ₀ ⁸⁰	T ₀ ⁸⁰	V ₀ ⁸⁰	P ₀ ⁸⁰	V ₀ ⁸¹	T ₀ ⁸¹	V ₀ ⁸¹	P ₀ ⁸¹	V ₀ ⁸²	T ₀ ⁸²	V ₀ ⁸²	P ₀ ⁸²	V ₀ ⁸³	T ₀ ⁸³	V ₀ ⁸³	P ₀ ⁸³	V ₀ ⁸⁴	T ₀ ⁸⁴	V ₀ ⁸⁴	P ₀ ⁸⁴	V ₀ ⁸⁵	T ₀ ⁸⁵	V ₀ ⁸⁵	P ₀ ⁸⁵	V ₀ ⁸⁶	T ₀ ⁸⁶	V ₀ ⁸⁶	P ₀ ⁸⁶	V ₀ ⁸⁷	T ₀ ⁸⁷	V ₀ ⁸⁷	P ₀ ⁸⁷	V ₀ ⁸⁸	T ₀ ⁸⁸	V ₀ ⁸⁸	P ₀ ⁸⁸	V ₀ ⁸⁹	T ₀ ⁸⁹	V ₀ ⁸⁹	P ₀ ⁸⁹	V ₀ ⁹⁰	T ₀ ⁹⁰	V ₀ ⁹⁰	P ₀ ⁹⁰	V ₀ ⁹¹	T ₀ ⁹¹	V ₀ ⁹¹	P ₀ ⁹¹	V ₀ ⁹²	T ₀ ⁹²	V ₀ ⁹²	P ₀ ⁹²	V ₀ ⁹³	T ₀ ⁹³	V ₀ ⁹³	P ₀ ⁹³	V ₀ ⁹⁴	T ₀ ⁹⁴	V ₀ ⁹⁴	P ₀ ⁹⁴	V ₀ ⁹⁵	T ₀ ⁹⁵	V ₀ ⁹⁵	P ₀ ⁹⁵	V ₀ ⁹⁶	T ₀ ⁹⁶	V ₀ ⁹⁶	P ₀ ⁹⁶	V ₀ ⁹⁷	T ₀ ⁹⁷	V ₀ ⁹⁷	P ₀ ⁹⁷	V ₀ ⁹⁸	T ₀ ⁹⁸	V ₀ ⁹⁸	P ₀ ⁹⁸	V ₀ ⁹⁹	T ₀ ⁹⁹	V ₀ ⁹⁹	P ₀ ⁹⁹	V ₀ ¹⁰⁰	T ₀ ¹⁰⁰	V ₀ ¹⁰⁰	P ₀ ¹⁰⁰	V ₀ ¹⁰¹	T ₀ ¹⁰¹	V ₀ ¹⁰¹	P ₀ ¹⁰¹	V ₀ ¹⁰²	T ₀ ¹⁰²	V ₀ ¹⁰²	P ₀ ¹⁰²	V ₀ ¹⁰³	T ₀ ¹⁰³	V ₀ ¹⁰³	P ₀ ¹⁰³	V ₀ ¹⁰⁴	T ₀ ¹⁰⁴	V ₀ ¹⁰⁴	P ₀ ¹⁰⁴	V ₀ ¹⁰⁵	T ₀ ¹⁰⁵	V ₀ ¹⁰⁵	P ₀ ¹⁰⁵	V ₀ ¹⁰⁶	T ₀ ¹⁰⁶	V ₀ ¹⁰⁶	P ₀ ¹⁰⁶	V ₀ ¹⁰⁷	T ₀ ¹⁰⁷	V ₀ ¹⁰⁷	P ₀ ¹⁰⁷	V ₀ ¹⁰⁸	T ₀ ¹⁰⁸	V ₀ ¹⁰⁸	P ₀ ¹⁰⁸	V ₀ ¹⁰⁹	T ₀ ¹⁰⁹	V ₀ ¹⁰⁹	P ₀ ¹⁰⁹	V ₀ ¹¹⁰	T ₀ ¹¹⁰	V ₀ ¹¹⁰	P ₀ ¹¹⁰	V ₀ ¹¹¹	T ₀ ¹¹¹	V ₀ ¹¹¹	P ₀ ¹¹¹	V ₀ ¹¹²	T ₀ ¹¹²	V ₀ ¹¹²	P ₀ ¹¹²	V ₀ ¹¹³	T ₀ ¹¹³	V ₀ ¹¹³	P ₀ ¹¹³	V ₀ ¹¹⁴	T ₀ ¹¹⁴	V ₀ ¹¹⁴	P ₀ ¹¹⁴	V ₀ ¹¹⁵	T ₀ ¹¹⁵	V ₀ ¹¹⁵	P ₀ ¹¹⁵	V ₀ ¹¹⁶	T ₀ ¹¹⁶	V ₀ ¹¹⁶	P ₀ ¹¹⁶	V ₀ ¹¹⁷	T ₀ ¹¹⁷	V ₀ ¹¹⁷	P ₀ ¹¹⁷	V ₀ ¹¹⁸	T ₀ ¹¹⁸	V ₀ ¹¹⁸	P ₀ ¹¹⁸	V ₀ ¹¹⁹	T ₀ ¹¹⁹	V ₀ ¹¹⁹	P ₀ ¹¹⁹	V ₀ ¹²⁰	T ₀ ¹²⁰	V ₀ ¹²⁰	P ₀ ¹²⁰	V ₀ ¹²¹	T ₀ ¹²¹	V ₀ ¹²¹	P ₀ ¹²¹	V ₀ ¹²²	T ₀ ¹²²	V ₀ ¹²²	P ₀ ¹²²	V ₀ ¹²³	T ₀ ¹²³	V ₀ ¹²³	P ₀ ¹²³	V ₀ ¹²⁴	T ₀ ¹²⁴	V ₀ ¹²⁴	P ₀ ¹²⁴	V ₀ ¹²⁵	T ₀ ¹²⁵	V ₀ ¹²⁵	P ₀ ¹²⁵	V ₀ ¹²⁶	T ₀ ¹²⁶	V ₀ ¹²⁶	P ₀ ¹²⁶	V ₀ ¹²⁷	T ₀ ¹²⁷	V ₀ ¹²⁷	P ₀ ¹²⁷	V ₀ ¹²⁸	T ₀ ¹²⁸	V ₀ ¹²⁸	P ₀ ¹²⁸	V ₀ ¹²⁹	T ₀ ¹²⁹	V ₀ ¹²⁹	P ₀ ¹²⁹	V ₀ ¹³⁰	T ₀ ¹³⁰	V ₀ ¹³⁰	P ₀ ¹³⁰	V ₀ ¹³¹	T ₀ ¹³¹	V ₀ ¹³¹	P ₀ ¹³¹	V ₀ ¹³²	T ₀ ¹³²	V ₀ ¹³²	P ₀ ¹³²	V ₀ ¹³³	T ₀ ¹³³	V ₀ ¹³³	P ₀ ¹³³	V ₀ ¹³⁴	T ₀ ¹³⁴	V ₀ ¹³⁴	P ₀ ¹³⁴	V ₀ ¹³⁵	T ₀ ¹³⁵	V ₀ ¹³⁵	P ₀ ¹³⁵	V ₀ ¹³⁶	T ₀ ¹³⁶	V ₀ ¹³⁶	P ₀ ¹³⁶	V ₀ ¹³⁷	T ₀ ¹³⁷	V ₀ ¹³⁷	P ₀ ¹³⁷	V ₀ ¹³⁸	T ₀ ¹³⁸	V ₀ ¹³⁸	P ₀ ¹³⁸	V ₀ ¹³⁹	T ₀ ¹³⁹	V ₀ ¹³⁹	P ₀ ¹³⁹	V ₀ ¹⁴⁰	T ₀ ¹⁴⁰	V ₀ ¹⁴⁰	P ₀ ¹⁴⁰	V ₀ ¹⁴¹	T ₀ ¹⁴¹	V ₀ ¹⁴¹	P ₀ ¹⁴¹	V ₀ ¹⁴²	T ₀ ¹⁴²	V ₀ ¹⁴²	P ₀ ¹⁴²	V ₀ ¹⁴³	T ₀ ¹⁴³	V ₀ ¹⁴³	P ₀ ¹⁴³	V ₀ ¹⁴⁴	T ₀ ¹⁴⁴	V ₀ ¹⁴⁴	P ₀ ¹⁴⁴	V ₀ ¹⁴⁵	T ₀ ¹⁴⁵	V ₀ ¹⁴⁵	P ₀ ¹⁴⁵	V ₀ ¹⁴⁶	T ₀ ¹⁴⁶	V ₀ ¹⁴⁶	P ₀ ¹⁴⁶	V ₀ ¹⁴⁷	T ₀ ¹⁴⁷	V ₀ ¹⁴⁷	P ₀ ¹⁴⁷	V ₀ ¹⁴⁸	T ₀ ¹⁴⁸	V ₀ ¹⁴⁸	P ₀ ¹⁴⁸	V ₀ ¹⁴⁹	T ₀ ¹⁴⁹	V ₀ ¹⁴⁹	P ₀ ¹⁴⁹	V ₀ ¹⁵⁰	T ₀ ¹⁵⁰	V ₀ ¹⁵⁰	P ₀ ¹⁵⁰	V ₀ ¹⁵¹	T ₀ ¹⁵¹	V ₀ ¹⁵¹	P ₀ ¹⁵¹	V ₀ ¹⁵²	T ₀ ¹⁵²	V ₀ ¹⁵²	P ₀ ¹⁵²	V ₀ ¹⁵³	T ₀ ¹⁵³	V ₀ ¹⁵³	P ₀ ¹⁵³	V ₀ ¹⁵⁴	T ₀ ¹⁵⁴	V ₀ ¹⁵⁴	P ₀ ¹⁵⁴	V ₀ ¹⁵⁵	T ₀ ¹⁵⁵	V ₀ ¹⁵⁵	P ₀ ¹⁵⁵	V ₀ ¹⁵⁶	T ₀ ¹⁵⁶	V ₀ ¹⁵⁶	P ₀ ¹⁵⁶	V ₀ ¹⁵⁷	T ₀ ¹⁵⁷	V ₀ ¹⁵⁷	P ₀ ¹⁵⁷	V ₀ ¹⁵⁸	T ₀ ¹⁵⁸	V ₀ ¹⁵⁸	P ₀ ¹⁵⁸	V ₀ ¹⁵⁹	T ₀ ¹⁵⁹	V ₀ ¹⁵⁹	P ₀ ¹⁵⁹	V ₀ ¹⁶⁰	T ₀ ¹⁶⁰	V ₀ ¹⁶⁰	P ₀ ¹⁶⁰	V ₀ ¹⁶¹	T ₀ ¹⁶¹	V ₀ ¹⁶¹	P ₀ ¹⁶¹	V ₀ ¹⁶²	T ₀ ¹⁶²	V ₀ ¹⁶²	P ₀ ¹⁶²	V ₀ ¹⁶³	T ₀ ¹⁶³	V ₀ ¹⁶³	P ₀ ¹⁶³	V ₀ ¹⁶⁴	T ₀ ¹⁶⁴	V ₀ ¹⁶⁴	P ₀ ¹⁶⁴	V ₀ ¹⁶⁵	T ₀ ¹⁶⁵	V ₀ ¹⁶⁵	P ₀ ¹⁶⁵	V ₀ ¹⁶⁶	T ₀ ¹⁶⁶	V ₀ ¹⁶⁶	P ₀ ¹⁶⁶	V ₀ ¹⁶⁷	T ₀ ¹⁶⁷
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CONFIGURATION 7

Test Point	P _r	V ₀ ft/sec	T ₀ °R	P ₀ lbf	P _r	V ₁ ft/sec	T ₁ °R	V ₁ lbf	P _r	V ₂ ft/sec	T ₂ °R	V ₂ lbf	P _r	V ₂ lbf	V ₂ ft/sec	T ₂ lbf	V ₂ ft/sec	V ₂ ft/sec
760	1.34	1099.	1255.	1161.	1.89	1054.	558.	466.	3.62	119.	1.46	1079.	950.	854.	8.26	277.	0.96	0.44
761	1.51	1384.	1420.	1274.	2.92	1339.	566.	417.	5.56	231.	1.81	1361.	984.	831.	10.84	461.	0.97	0.51
762	1.56	1441.	1434.	1276.	2.23	1437.	838.	666.	3.50	156.	1.71	1439.	1203.	1039.	9.04	404.	1.00	0.39
763	1.60	1548.	1471.	1289.	5.89	283.	804.	649.	3.92	187.	1.85	1542.	1230.	1032.	9.81	470.	0.99	0.40
764	1.79	1682.	1523.	1309.	6.31	330.	804.	613.	4.78	247.	2.08	1675.	1230.	1007.	11.08	577.	0.96	0.50
765	1.79	1682.	1523.	1309.	5.05	200.	804.	466.	3.63	120.	1.53	1186.	1028.	914.	8.68	320.	0.85	0.42
766	1.72	1610.	1486.	1289.	6.13	307.	804.	413.	5.58	231.	1.95	1477.	1045.	866.	11.71	534.	0.83	0.48
767	1.83	1725.	1553.	1328.	6.37	342.	855.	690.	3.28	144.	1.88	1617.	1316.	1111.	9.65	445.	0.82	0.48
768	1.97	1825.	1578.	1323.	6.82	390.	855.	653.	3.96	191.	2.08	1732.	1312.	1076.	10.78	560.	0.84	0.57
769	2.15	1997.	1673.	1374.	7.21	447.	880.	612.	4.74	244.	2.32	1861.	1343.	1070.	11.94	691.	0.83	0.40
770	1.60	1498.	1481.	1311.	5.61	261.	856.	478.	3.48	113.	1.62	1323.	1131.	991.	9.09	374.	0.89	0.38
771	2.04	1896.	1612.	1341.	6.96	410.	855.	415.	5.61	234.	2.16	1649.	1145.	925.	12.57	644.	0.71	0.45
772	2.17	1982.	1628.	1332.	7.39	455.	855.	401.	6.38	280.	2.34	1717.	1136.	896.	13.77	735.	0.71	0.46
773	2.40	2150.	1715.	1368.	7.96	532.	884.	650.	3.90	185.	2.37	1945.	1129.	1134.	11.86	717.	0.71	0.33
774	2.75	2314.	1753.	1350.	8.99	647.	884.	615.	4.73	244.	2.74	2088.	1443.	1098.	13.72	891.	0.72	0.34
775	1.68	1586.	1507.	1317.	5.91	291.	857.	469.	3.69	124.	1.70	1393.	1145.	991.	9.60	416.	0.88	0.36
776	2.22	2030.	1667.	1357.	7.45	470.	858.	416.	5.66	238.	2.28	1737.	1192.	950.	13.12	708.	0.67	0.43
777	2.42	2148.	1702.	1355.	8.04	537.	857.	413.	6.03	262.	2.46	1826.	1219.	951.	14.07	748.	0.65	0.43
778	2.73	2285.	1719.	1325.	9.03	642.	1007.	798.	3.22	159.	2.58	2101.	1532.	1191.	12.26	800.	0.69	0.26
779	3.27	2438.	1701.	1247.	10.87	823.	803.	612.	4.78	247.	3.13	2202.	1434.	1056.	15.65	1071.	0.68	0.31
780	2.03	1898.	1623.	1352.	6.91	408.	857.	497.	3.52	120.	1.93	1627.	1277.	1068.	10.43	528.	0.58	0.34
781	3.40	2471.	1700.	1232.	11.31	868.	611.	448.	5.44	237.	3.11	2123.	1346.	988.	16.75	1105.	0.57	0.32
790	1.59	1413.	1326.	1172.	5.92	260.	863.	630.	4.38	223.	1.90	1507.	1129.	946.	10.30	483.	1.16	0.43
791	1.79	1601.	1384.	1146.	6.62	330.	874.	654.	4.23	214.	2.02	1611.	1185.	977.	10.85	543.	1.02	0.39
792	2.02	1766.	1417.	1176.	7.39	406.	874.	654.	4.24	214.	2.18	1715.	1219.	984.	11.63	620.	0.92	0.36
793	2.41	2006.	1493.	1182.	8.59	535.	882.	664.	4.26	219.	2.48	1890.	1294.	1009.	12.85	755.	0.83	0.33
794	2.81	2212.	1578.	1201.	9.71	667.	883.	618.	4.46	223.	2.76	2021.	1343.	1019.	14.17	890.	0.73	0.31
795	3.18	2349.	1614.	1188.	10.86	793.	868.	646.	4.33	220.	3.03	2145.	1401.	1037.	15.19	1013.	0.70	0.29
796	3.93	2429.	1505.	1038.	13.92	1051.	933.	727.	3.79	194.	3.58	2262.	1387.	977.	17.71	1245.	0.68	0.21
797	3.54	2013.	1112.	775.	14.73	921.	595.	426.	5.68	244.	3.33	1837.	905.	664.	20.40	1105.	0.69	0.28
798	3.14	2008.	1200.	870.	12.54	783.	583.	434.	5.29	220.	2.98	1810.	1017.	744.	17.84	1003.	0.67	0.30
799	2.80	2000.	1299.	979.	10.73	667.	590.	433.	5.25	217.	2.71	1780.	1063.	800.	15.98	884.	0.67	0.33
799	2.60	2005.	1391.	1075.	9.60	599.	582.	412.	5.65	236.	2.58	1759.	1084.	829.	15.26	834.	0.67	0.33
799	2.41	1982.	1462.	1157.	8.66	533.	502.	411.	5.71	239.	2.44	1729.	1105.	859.	14.37	772.	0.68	0.40
799	2.15	2004.	1683.	1382.	7.19	448.	572.	419.	5.64	236.	2.23	1719.	1195.	957.	12.83	665.	0.68	0.48
799	2.26	2011.	1606.	1299.	7.73	483.	589.	417.	5.62	236.	2.31	1733.	1169.	927.	13.36	719.	0.67	0.42
799	2.08	2001.	1743.	1446.	6.84	425.	835.	680.	3.22	136.	2.04	1797.	1452.	1204.	10.05	561.	0.68	0.32
799	2.77	2315.	1728.	1323.	9.23	664.	838.	810.	0.91	13.	2.50	2149.	1647.	1297.	10.14	677.	0.20	0.09
799	2.77	2308.	1734.	1332.	9.11	653.	840.	702.	1.62	36.	2.41	2066.	1584.	1258.	10.73	689.	0.31	0.15
799	2.72	2289.	1729.	1334.	8.98	639.	840.	628.	2.44	73.	2.38	2005.	1510.	1201.	11.42	712.	0.42	0.21
799	2.73	2295.	1733.	1336.	9.00	642.	1040.	876.	2.57	112.	2.49	2099.	1579.	1242.	11.57	754.	0.61	0.22
799	2.73	2282.	1717.	1324.	9.02	640.	900.	672.	4.19	216.	2.68	2083.	1458.	1119.	13.22	856.	0.72	0.32
799	2.77	2309.	1734.	1332.	9.12	654.	771.	739.	1.34	26.	2.43	2093.	1611.	1278.	10.46	680.	0.27	0.13
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89	637.	678.	563.	3.33	122.	2.44	1907.	1462.	1153.	12.22	758.	0.51	0.27
799	2.72	2305.	1756.	1357.	8.89													

Table 6. Continued.

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

Conical Nozzle

<u>Test Point</u>	<u>P_r</u>	<u>V</u>	<u>T_T</u>	<u>T</u>	<u>W</u>	<u>F</u>
1	3.727	2579	1741	1231	11.486	919.9
2	2.687	2296	1757	1361	8.247	588.1
3	2.296	2096	1709	1380	7.141	464.8
4	2.118	1973	1660	1368	6.691	410.0
5	1.960	1853	1618	1360	6.273	361.0
6	2.776	1606	847	632	12.468	621.9
7	2.591	1554	844	643	11.634	561.5

Table 6. Concluded.

Conical Nozzle

<u>Test Point</u>	<u>P_r</u>	<u>V</u>	<u>T_T</u>	<u>T</u>	<u>W</u>	<u>F</u>
1	3.727	786	967	684	5.210	4091.7
2	2.687	700	976	756	3.741	2615.9
3	2.296	639	949	767	3.239	2067.4
4	2.118	601	922	760	3.035	1823.7
5	1.960	565	899	756	2.845	1605.7
6	2.776	490	471	351	5.655	2766.2
7	2.591	474	469	357	5.277	2497.6

Table 7. Measured Aerodynamic Parameters, International System of Units.

- CONFIGURATION !

Test Point	P _r	V ^o m/sec	T _r ^o °K	T ^o °K	W ^o kg/sec	P ^o N	V ⁱ m/sec	T _r ⁱ °K	T ⁱ °K	W ⁱ kg/sec	P ⁱ N	V ^a m/sec	T _r ^a °K	T ^a °K	W _T kg/sec	P _T N	V _T ^o m/sec	W ^o kg		
1	1.37	257.	383.	350.	1.82	469.	1.83	305.	293.	4.79	1461.	1.65	292.	318.	275.	6.62	1930.	1.18	0.72	
2	1.50	295.	395.	352.	2.08	614.	1.78	299.	293.	4.67	1396.	1.67	297.	324.	280.	6.75	2009.	1.01	0.69	
3	2.05	449.	539.	439.	2.55	1144.	1.76	300.	299.	4.58	1372.	1.85	353.	385.	323.	7.12	2516.	0.67	0.84	
4	2.71	621.	770.	588.	2.79	1733.	1.77	303.	303.	4.55	1378.	2.06	424.	481.	391.	7.34	3111.	0.49	0.62	
5	1.29	240.	406.	377.	1.59	381.	1.58	369.	549.	483.	2.96	1094.	1.47	324.	447.	4.55	1475.	1.53	0.35	
6	1.51	300.	406.	361.	2.37	621.	1.59	371.	550.	483.	2.98	1103.	1.55	342.	491.	5.04	1724.	1.23	0.59	
7	1.74	371.	469.	401.	2.30	854.	1.61	375.	549.	481.	3.02	1131.	1.66	373.	515.	5.32	1986.	1.01	0.57	
8	2.53	555.	657.	508.	2.83	1570.	1.60	375.	558.	490.	2.96	1110.	1.96	463.	607.	5.79	2680.	0.67	0.51	
9	3.35	739.	910.	668.	3.14	2321.	1.59	372.	558.	480.	2.95	1097.	2.28	562.	744.	6.09	3419.	0.50	0.48	
10	4.52	832.	970.	650.	4.12	3431.	1.69	451.	724.	530.	2.78	1253.	2.88	679.	871.	6.90	4643.	0.54	0.40	
12	3.71	780.	957.	678.	3.49	2654.	1.00	15.	855.	855.	0.07	1.	3.51	766.	955.	687.	3.47	2655.	0.02	0.02
13	3.70	781.	960.	680.	3.39	2646.	1.00	29.	848.	848.	0.13	4.	3.33	752.	956.	697.	3.52	2650.	0.04	0.04
14	3.71	784.	966.	685.	1.38	2653.	1.00	41.	800.	799.	0.20	8.	3.20	742.	957.	706.	3.59	2681.	0.05	0.06
16	2.74	700.	961.	740.	2.51	1754.	1.00	11.	858.	858.	0.05	1.	2.63	687.	959.	747.	2.56	1755.	0.02	0.02
17	2.75	703.	968.	746.	2.50	1760.	1.00	22.	876.	875.	0.10	2.	2.54	677.	965.	755.	2.60	1762.	0.03	0.04
18	2.74	702.	968.	746.	2.50	1756.	1.00	32.	838.	837.	0.15	3.	2.46	665.	961.	762.	2.65	1761.	0.05	0.06
20	2.04	578.	894.	744.	1.94	1120.	1.00	8.	761.	761.	0.04	0.	1.98	567.	892.	747.	1.98	1120.	0.01	0.02
21	2.05	578.	888.	738.	1.96	1130.	1.00	16.	789.	789.	0.08	1.	1.94	557.	885.	745.	2.03	1132.	0.03	0.04
22	2.04	576.	887.	738.	1.95	1122.	1.00	23.	762.	762.	0.11	3.	1.89	545.	880.	747.	2.06	1124.	0.04	0.06
23	1.46	395.	753.	682.	1.44	569.	1.00	3.	365.	365.	0.03	0.	1.44	387.	746.	677.	1.47	569.	0.01	0.02
24	1.47	399.	761.	688.	1.44	574.	1.00	11.	482.	482.	0.09	1.	1.42	377.	745.	680.	1.53	575.	0.03	0.06
25	1.64	461.	795.	698.	1.64	735.	1.00	5.	622.	622.	0.03	0.	1.61	452.	792.	699.	1.67	755.	0.01	0.02
26	1.64	463.	808.	710.	1.62	751.	1.00	17.	661.	661.	0.10	2.	1.50	438.	799.	712.	1.72	753.	0.04	0.06
27	2.32	642.	949.	764.	2.14	1371.	1.00	9.	811.	811.	0.04	0.	2.02	609.	946.	769.	2.18	1371.	0.01	0.02
28	2.32	643.	953.	768.	2.13	1372.	1.00	26.	801.	801.	0.13	3.	2.12	629.	944.	779.	2.26	1375.	0.04	0.06
29	2.75	702.	965.	743.	2.51	1795.	1.01	68.	712.	710.	0.37	25.	2.22	621.	932.	760.	2.88	1790.	0.10	0.13
30	3.69	781.	962.	682.	3.38	2638.	1.01	72.	702.	699.	0.40	29.	2.90	706.	935.	708.	3.78	2666.	0.09	0.11
150	3.69	781.	961.	682.	3.38	2636.	1.00	0.	288.	288.	0.00	0.	3.69	781.	961.	682.	3.38	2636.	0.00	0.00
151	2.73	701.	968.	747.	2.49	1712.	1.00	0.	288.	288.	0.00	0.	2.73	701.	968.	747.	2.49	1742.	0.00	0.00
152	1.99	569.	898.	753.	1.88	1073.	1.00	0.	288.	288.	0.00	0.	1.99	569.	898.	753.	1.88	1073.	0.00	0.00
153	1.61	461.	824.	728.	1.58	727.	1.00	0.	288.	288.	0.00	0.	1.61	461.	824.	728.	1.58	727.	0.00	0.00
154	1.48	404.	769.	694.	1.45	595.	1.00	0.	288.	288.	0.00	0.	1.48	404.	769.	694.	1.48	585.	0.00	0.00

Table 7. Measured Aerodynamic Parameters, International System of Units.

CONFIGURATION 2

Test Point	P _o P _r	V _o m/sec	T _o °K	W _o kg/sec	P _o N	V _i m/sec	T _i °K	W _i kg/sec	F _i N	P _r m	V _r m/sec	T _r °K	W _r kg/sec	F _r N	V _{i/V_o}	W _{i/W_o}	P _{r/P_o}
240	1.74	497.	834.	1.71	850.	1.99	413.	392.	2.69	1110.	1.84	446.	520.	1960.	0.83	0.61	0.39
241	1.94	557.	870.	1.84	1027.	2.52	472.	366.	3.42	1615.	2.19	502.	499.	2642.	0.85	0.55	0.35
242	2.15	596.	891.	2.05	1225.	3.45	499.	292.	5.00	2495.	2.73	527.	415.	3720.	0.84	0.71	0.29
243	2.02	574.	893.	1.92	1101.	2.00	417.	394.	2.70	1126.	1.97	482.	541.	2226.	0.73	0.58	0.42
244	2.40	654.	950.	2.21	1446.	2.50	468.	366.	3.39	1591.	2.38	542.	521.	3037.	0.72	0.61	0.39
245	2.70	699.	971.	2.46	1720.	3.04	506.	340.	4.17	2107.	2.78	577.	492.	3827.	0.72	0.63	0.37
246	2.44	662.	959.	2.23	1480.	2.02	416.	386.	2.76	1146.	2.17	526.	558.	2626.	0.63	0.55	0.45
247	3.53	753.	120.	3.32	2498.	3.48	465.	364.	3.38	1573.	2.92	606.	515.	4071.	0.62	0.50	0.50
248	4.06	779.	120.	3.83	2986.	3.02	505.	342.	4.13	2084.	3.43	637.	480.	5070.	0.65	0.52	0.48
249	4.06	779.	120.	3.83	2986.	3.02	505.	342.	4.13	2084.	3.43	637.	480.	5070.	0.65	0.52	0.48
2108	2.74	698.	958.	2.51	1753.	1.23	206.	350.	1.50	310.	1.98	514.	615.	2063.	0.30	0.37	0.63
2110	2.76	703.	959.	2.53	1777.	1.34	275.	435.	1.61	403.	2.04	537.	639.	2220.	0.39	0.39	0.61
2112	2.74	700.	962.	2.51	1755.	2.06	422.	386.	2.80	1184.	2.34	553.	558.	2939.	0.60	0.53	0.47
2113	2.74	699.	959.	2.51	1757.	2.79	492.	354.	3.79	1863.	2.68	575.	508.	3620.	0.70	0.60	0.40
2114	2.76	701.	961.	2.52	1769.	1.15	171.	366.	1.24	212.	2.00	526.	636.	1961.	0.24	0.33	0.67
2115	2.76	703.	963.	2.53	1775.	1.63	354.	414.	2.18	769.	2.15	541.	738.	2545.	0.50	0.46	0.54
2116	2.74	701.	963.	2.51	1758.	1.84	391.	399.	2.50	978.	2.23	546.	720.	2735.	0.56	0.50	0.50
2117	2.75	698.	956.	2.52	1762.	2.31	409.	371.	3.15	1413.	2.45	560.	687.	3174.	0.64	0.56	0.44
284	4.53	799.	896.	4.31	3438.	2.98	503.	344.	4.07	2049.	3.65	655.	478.	5487.	0.63	0.49	0.51

Table 7. Continued.

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

Test Point	P _r	V ⁰ m/sec	T _r ⁰ °K	T ⁰ °K	W ⁰ kg/sec	P ⁰ N	P _r	V ¹ m/sec	T _r ¹ °K	T ¹ °K	W ¹ kg/sec	P ¹ N	P _r	V ² m/sec	T _r ² °K	T ² °K	W _T kg/sec	F _T N	V _{1/V⁰}	W _{1/W⁰}	
312	3.73	782.	959.	679.	3.41	2671.	1.03	109.	718.	713.	0.20	22.	3.29	745.	946.	692.	3.62	2693.	0.14	0.06	0.94
313	3.72	784.	963.	682.	3.40	2665.	1.07	170.	757.	744.	0.30	51.	3.15	734.	946.	701.	3.70	2717.	0.22	0.08	0.52
314	3.72	782.	959.	679.	3.41	2662.	1.12	208.	703.	683.	0.40	84.	3.07	721.	932.	694.	3.81	2746.	0.27	0.11	0.49
316	2.72	696.	957.	739.	2.50	1759.	1.02	77.	696.	693.	0.15	11.	2.48	662.	943.	745.	2.65	1756.	0.11	0.06	0.94
317	2.72	696.	957.	738.	2.50	1741.	1.03	118.	712.	706.	0.22	26.	2.40	649.	937.	747.	2.72	1767.	0.17	0.08	0.92
318	2.72	696.	955.	736.	2.51	1743.	1.06	150.	682.	671.	0.30	44.	2.35	638.	926.	743.	2.80	1787.	0.22	0.11	0.89
320	2.04	579.	896.	745.	1.94	1121.	1.01	51.	580.	570.	0.12	6.	1.81	549.	878.	742.	2.05	1127.	0.09	0.06	0.94
321	2.04	577.	892.	742.	1.94	1119.	1.02	78.	593.	590.	0.17	14.	1.87	536.	868.	738.	2.11	1133.	0.14	0.08	0.92
322	2.04	576.	887.	737.	1.95	1123.	1.03	103.	589.	584.	0.23	24.	1.84	526.	855.	730.	2.18	1147.	0.18	0.11	0.89
323	1.46	369.	658.	594.	1.54	570.	1.00	41.	612.	611.	0.09	4.	1.41	351.	656.	598.	1.63	573.	0.11	0.05	0.95
324	1.46	368.	655.	591.	1.55	568.	1.02	74.	552.	549.	0.18	13.	1.38	337.	644.	591.	1.73	582.	0.20	0.10	0.90
325	1.63	460.	804.	708.	1.62	743.	1.01	51.	713.	712.	0.09	5.	1.56	438.	799.	712.	1.71	748.	0.11	0.05	0.95
326	1.62	456.	799.	704.	1.61	735.	1.02	90.	635.	631.	0.19	17.	1.51	418.	782.	707.	1.80	752.	0.20	0.10	0.90
327	2.34	646.	951.	764.	2.15	1390.	1.01	69.	727.	725.	0.13	9.	2.16	614.	939.	770.	2.28	1399.	0.11	0.06	0.94
328	2.39	653.	953.	762.	2.20	1434.	1.04	127.	680.	673.	0.25	32.	2.10	599.	925.	764.	2.45	1466.	0.20	0.10	0.90
329	2.72	695.	954.	736.	2.50	1740.	1.11	192.	620.	603.	0.42	81.	2.29	623.	906.	731.	2.92	1821.	0.28	0.14	0.56
330	3.73	781.	956.	675.	3.43	2678.	1.15	223.	645.	622.	0.47	106.	3.05	713.	918.	685.	3.40	2764.	0.29	0.12	0.58
3150	3.73	783.	959.	678.	3.42	2676.	1.00	0.	288.	288.	0.00	0.	3.73	783.	959.	678.	3.42	2676.	0.00	0.00	1.00
3151	2.73	698.	961.	741.	2.50	1746.	1.00	0.	288.	288.	0.00	0.	2.73	698.	961.	741.	2.50	1744.	0.00	0.00	1.00
3152	1.99	568.	889.	744.	1.90	1078.	1.00	0.	288.	288.	0.00	0.	1.99	568.	889.	744.	1.90	1078.	0.00	0.00	1.00
340	1.76	500.	832.	718.	1.86	1043.	1.00	0.	503.	414.	1.35	568.	1.81	466.	688.	585.	3.08	1435.	0.84	0.44	0.56
341	1.95	560.	890.	749.	1.86	1043.	2.47	479.	502.	386.	1.69	809.	2.10	522.	706.	577.	3.55	1851.	0.66	0.08	0.52
342	2.17	609.	918.	752.	2.04	1240.	3.05	517.	468.	355.	2.12	1095.	2.43	562.	699.	548.	4.15	2335.	0.85	0.51	0.49
343	2.03	577.	896.	746.	1.93	1114.	2.03	437.	518.	423.	1.37	598.	2.01	519.	739.	613.	3.30	1712.	0.76	0.41	0.59
344	2.37	653.	957.	766.	2.18	1422.	2.54	491.	514.	394.	1.72	844.	2.38	582.	762.	603.	3.90	2266.	0.75	0.44	0.56
345	2.73	701.	968.	746.	2.49	1749.	2.18	566.	637.	513.	1.32	668.	2.52	634.	853.	668.	3.81	2416.	0.72	0.35	0.65
346	2.44	664.	967.	769.	2.22	1477.	1.58	428.	737.	653.	0.87	370.	2.14	598.	902.	741.	3.09	1847.	0.64	0.28	0.72
347	1.29	750.	959.	702.	3.02	2263.	1.67	505.	924.	811.	0.82	416.	2.76	698.	952.	731.	3.84	2679.	0.67	0.21	0.79
348	1.80	782.	947.	666.	3.50	2738.	2.39	556.	696.	548.	1.36	765.	3.31	718.	876.	637.	4.68	3503.	0.71	0.28	0.72
3107	2.78	707.	967.	742.	2.54	1794.	1.07	145.	521.	510.	0.37	54.	2.27	634.	910.	728.	2.91	1848.	0.20	0.13	0.87
3110	2.76	703.	963.	741.	2.52	1773.	1.21	234.	522.	495.	0.62	146.	2.26	610.	876.	707.	3.15	1919.	0.33	0.20	0.80
3110	2.73	699.	962.	741.	2.50	1750.	1.48	294.	408.	365.	1.07	314.	2.26	578.	796.	641.	3.57	2088.	0.42	0.30	0.70
3112	2.78	704.	963.	739.	2.54	1788.	1.63	436.	723.	635.	0.91	396.	2.46	634.	900.	718.	3.45	2184.	0.62	0.26	0.74
3113	2.73	701.	966.	746.	2.49	1749.	1.97	497.	694.	578.	1.14	564.	2.46	637.	882.	697.	3.63	2313.	0.71	0.31	0.69
3114	2.78	704.	963.	740.	2.54	1788.	1.12	179.	506.	490.	0.48	86.	2.31	620.	890.	715.	3.02	1875.	0.25	0.16	0.64
3115	2.72	701.	971.	750.	2.48	1736.	1.93	365.	388.	322.	1.50	547.	2.36	574.	751.	596.	3.97	2263.	0.52	0.38	0.62

Test Point	P _r	V ⁰ m/sec	T _r ⁰ °K	T _r ⁰ °C	W ⁰ kg/sec	P _r ⁰ N	V ¹ m/sec	T _r ¹ °K	T _r ¹ °C	W ¹ kg/sec	P _r ¹ N	V ² m/sec	T _r ² °K	T _r ² °C	W ² kg/sec	P _r ² N	V ₁ /V ⁰	V ₂ /V ⁰	V ₁ /V ²	V ⁰ /V ²	
440	1.74	498.	834.	722.	1.71	852.	2.02	412.	465.	380.	2.77	1241.	1.86	445.	606.	510.	0.48	1954.	0.53	0.62	0.35
441	1.98	570.	904.	759.	1.87	1056.	2.48	464.	467.	340.	3.40	1577.	2.19	501.	622.	500.	5.27	2643.	0.41	0.65	0.35
442	2.18	606.	906.	701.	2.06	1246.	3.05	506.	468.	340.	4.17	2111.	2.56	539.	613.	470.	6.23	3357.	0.84	0.87	0.33
443	2.04	581.	903.	751.	1.93	1123.	2.08	422.	469.	381.	2.80	1195.	2.02	486.	645.	531.	4.77	2318.	0.73	0.59	0.41
444	2.35	658.	904.	770.	2.19	1439.	2.50	465.	467.	359.	3.42	1589.	2.37	540.	661.	520.	5.61	3028.	0.71	0.61	0.39
445	2.80	701.	906.	724.	2.59	1813.	3.05	509.	472.	343.	4.16	2116.	2.84	582.	654.	488.	6.75	3930.	0.73	0.62	0.38
446	2.43	668.	981.	761.	2.20	1469.	1.98	410.	469.	386.	2.72	1115.	2.15	526.	698.	567.	4.92	2504.	0.61	0.55	0.45
447	3.05	755.	907.	643.	3.44	2599.	2.53	475.	482.	369.	3.41	1620.	3.01	616.	695.	512.	6.85	4219.	0.63	0.50	0.50
448	4.03	764.	920.	634.	3.78	2959.	3.02	495.	451.	329.	4.21	2083.	3.39	632.	673.	477.	7.98	5002.	0.63	0.53	0.47
4107	2.68	697.	973.	754.	2.44	1699.	1.10	146.	406.	395.	0.95	138.	1.99	543.	814.	679.	3.38	1837.	0.21	0.28	0.72
4108	2.68	697.	973.	755.	2.44	1697.	1.26	217.	364.	340.	1.63	354.	1.94	505.	729.	610.	4.06	2051.	0.31	0.40	0.60
4110	2.75	703.	968.	706.	2.51	1762.	1.34	277.	472.	434.	1.63	450.	2.03	535.	773.	640.	4.13	2212.	0.39	0.39	0.61
4112	2.76	710.	983.	757.	2.50	1776.	2.05	419.	471.	384.	2.79	1170.	2.33	557.	713.	566.	5.29	2846.	0.59	0.53	0.47
4113	2.75	705.	972.	708.	2.50	1765.	2.79	486.	467.	348.	3.82	1864.	2.67	574.	667.	507.	6.32	3628.	0.69	0.60	0.50
4114	2.67	697.	975.	757.	2.43	1695.	1.15	173.	382.	367.	1.20	208.	1.95	524.	778.	652.	3.63	1933.	0.25	0.33	0.67
4115	2.64	710.	962.	734.	2.60	1844.	1.63	348.	465.	405.	2.19	764.	2.18	544.	734.	595.	4.79	2808.	0.49	0.45	0.54
4116	2.76	697.	948.	758.	2.55	1777.	1.86	385.	456.	382.	2.57	992.	2.25	541.	701.	562.	5.12	2769.	0.55	0.50	0.50
4118	2.69	699.	974.	755.	2.45	1709.	1.05	108.	436.	430.	0.64	69.	2.09	577.	863.	712.	3.08	1777.	0.15	0.21	0.79
484	4.53	799.	896.	----	4.30	3434.	2.98	503.	410.	----	4.08	2046.	----	655.	689.	----	8.38	5680.	0.63	0.49	0.51

54

• CONFIGURATION 5

Test Point	P _r ^o	V ^o m/sec	T _r ^o °K	T _r ^o °K	W ^o kg/sec	P ^o N	V ⁱ m/sec	T _r ⁱ °K	T _r ⁱ °K	V ⁱ kg/sec	P ⁱ N	P _r ^m	V ^m m/sec	T _r ^m °K	T _r ^m °K	W _T kg/sec	P _T N	V _{L/V^o}	W _{L/W^o}	W ^o /W _T	
540	1.76	505.	847.	731.	2.80	1413.	2.08	416.	457.	371.	2.88	1198.	1.85	460.	609.	508.	5.68	2610.	0.82	0.51	0.49
541	1.96	562.	891.	749.	3.05	1713.	2.53	465.	461.	354.	3.49	1619.	2.14	510.	662.	537.	6.53	3335.	0.83	0.53	0.47
542	2.15	611.	933.	766.	3.27	1997.	3.00	499.	461.	337.	4.13	2061.	2.42	548.	669.	525.	7.40	4058.	0.82	0.56	0.44
543	2.05	580.	897.	745.	3.17	1840.	2.04	418.	472.	345.	2.78	1160.	2.01	504.	699.	578.	5.95	2099.	0.82	0.47	0.53
544	2.38	652.	954.	764.	3.56	2323.	2.57	471.	467.	357.	3.52	1659.	2.38	562.	712.	562.	7.09	3982.	0.72	0.50	0.50
545	2.74	714.	998.	770.	4.02	2868.	3.01	501.	462.	337.	4.14	2074.	2.74	606.	726.	551.	8.16	4923.	0.70	0.51	0.49
546	2.41	659.	959.	764.	3.61	2378.	1.99	410.	468.	385.	2.72	1116.	2.20	552.	748.	605.	6.33	3494.	0.62	0.43	0.57
547	3.37	736.	910.	660.	5.18	3814.	2.42	461.	472.	367.	3.30	1520.	2.93	629.	740.	551.	8.48	5334.	0.63	0.39	0.61
548	3.39	737.	907.	657.	5.22	3840.	2.94	504.	476.	350.	3.98	2006.	3.12	636.	721.	526.	9.20	5850.	0.68	0.43	0.57
5107	2.74	701.	967.	746.	4.07	2857.	1.08	129.	395.	387.	0.85	110.	2.24	603.	868.	703.	4.92	2967.	0.18	0.17	0.83
5108	2.73	700.	966.	745.	4.07	2854.	1.18	208.	473.	452.	1.17	243.	2.19	590.	856.	697.	5.25	3097.	0.30	0.22	0.78
5110	2.74	694.	958.	738.	4.11	2868.	1.38	287.	466.	425.	1.72	492.	2.21	577.	813.	659.	5.82	3361.	0.41	0.30	0.70
5112	2.74	702.	967.	746.	4.08	2862.	2.16	429.	464.	373.	2.96	1272.	2.45	587.	756.	593.	7.04	4134.	0.61	0.42	0.58
5113	2.74	703.	970.	748.	4.07	2860.	2.78	482.	456.	341.	3.85	1853.	2.66	595.	720.	551.	7.92	4713.	0.69	0.49	0.51
5114	2.75	703.	967.	744.	4.10	2885.	1.15	176.	401.	385.	1.17	206.	2.20	586.	841.	684.	5.27	3091.	0.25	0.22	0.78
5115	2.74	698.	955.	735.	4.11	2870.	1.69	358.	459.	395.	2.31	825.	2.29	575.	777.	622.	6.42	3695.	0.51	0.36	0.64
5150	4.26	724.	766.	512.	7.18	5201.	1.00	0.	288.	268.	0.00	0.	4.26	724.	766.	512.	7.18	5201.	0.00	0.00	1.00
5151	2.74	699.	961.	741.	4.09	2860.	1.00	0.	288.	268.	0.00	0.	2.74	699.	961.	741.	4.09	2860.	0.00	0.00	1.00
5152	1.98	567.	896.	751.	3.07	1739.	1.00	0.	288.	268.	0.00	0.	1.98	567.	896.	751.	3.07	1739.	0.00	0.00	1.00

Table 7. Continued.

• CONFIGURATION 6

Test Point	P _r °	V ⁰ m/sec	T _T ⁰ °K	T ⁰ °K	W ⁰ kg/sec	P ⁰ N	P _r ¹ °	V ¹ m/sec	T _T ¹ °K	T ¹ °K	W ¹ kg/sec	P ¹ N	P _r ² °	V ² m/sec	T _T ² °K	T ² °K	W ² kg/sec	P ² N	V ³ m/sec	T _T ³ °K	T ³ °K	W ³ kg/sec	P ³ N	V ⁴ m/sec	T _T ⁴ °K	T ⁴ °K	W ⁴ kg/sec	V ₁ /V ⁰	V ₁ /V ²	V ⁰ /V ²
640	1.72	493.	834.	724.	1.23	605.	1.97	409.	473.	390.	2.65	1097.	1.85	436.	587.	494.	3.91	1702.	0.83	0.69	0.31									
641	1.97	557.	871.	731.	1.38	766.	2.51	466.	468.	360.	3.43	1600.	2.25	492.	583.	464.	4.81	2306.	0.84	0.71	0.29									
642	2.18	596.	874.	713.	1.52	907.	2.98	504.	472.	346.	4.06	2045.	2.61	529.	582.	443.	5.58	2952.	0.85	0.73	0.27									
643	2.04	583.	908.	755.	1.40	816.	2.01	416.	477.	391.	2.72	1133.	1.99	473.	623.	515.	4.12	1949.	0.71	0.66	0.34									
644	2.40	653.	947.	755.	1.61	1048.	2.50	467.	472.	363.	3.41	1592.	2.39	527.	624.	468.	5.01	2640.	0.72	0.69	0.32									
645	2.76	701.	958.	736.	1.84	1288.	2.99	496.	456.	334.	4.14	2056.	2.80	559.	610.	456.	5.98	3344.	0.71	0.69	0.31									
646	2.40	659.	964.	770.	1.59	1048.	2.02	422.	487.	398.	2.72	1147.	2.13	510.	663.	538.	4.31	2195.	0.64	0.63	0.37									
647	3.62	760.	922.	656.	2.45	1864.	2.50	468.	474.	365.	3.39	1587.	2.89	591.	662.	492.	5.84	3451.	0.62	0.58	0.42									
648	4.00	782.	919.	635.	2.72	2125.	3.03	509.	476.	347.	4.10	2090.	3.33	618.	653.	464.	6.82	4215.	0.65	0.60	0.40									
649	4.59	805.	903.	599.	3.14	2529.	3.02	511.	479.	349.	4.09	2086.	3.58	638.	663.	462.	7.23	4615.	0.63	0.57	0.43									
6107	2.73	701.	968.	747.	1.80	1264.	1.10	139.	376.	366.	0.97	135.	1.88	504.	761.	643.	2.77	1348.	0.20	0.35	0.65									
6108	2.73	701.	968.	747.	1.80	1264.	1.18	210.	472.	450.	1.19	251.	1.87	506.	771.	652.	2.99	1514.	0.30	0.40	0.60									
6110	2.73	700.	966.	746.	1.80	1262.	1.36	262.	464.	425.	1.69	476.	1.91	497.	723.	607.	3.49	1734.	0.40	0.48	0.52									
6112	2.72	698.	962.	742.	1.81	1261.	2.07	426.	482.	392.	2.79	1189.	2.28	533.	671.	534.	4.60	2450.	0.61	0.61	0.39									
6113	2.73	700.	965.	744.	1.81	1266.	2.77	489.	471.	352.	3.78	1850.	2.67	557.	630.	478.	5.59	3116.	0.70	0.68	0.32									
6114	2.75	705.	974.	750.	1.81	1276.	1.15	170.	362.	347.	1.25	212.	1.86	487.	724.	613.	3.06	1487.	0.24	0.41	0.59									
6115	2.73	700.	965.	745.	1.81	1263.	1.64	355.	475.	412.	2.20	782.	2.05	511.	696.	572.	4.00	2044.	0.51	0.55	0.55									
6116	2.73	693.	963.	743.	1.81	1263.	1.84	394.	484.	407.	2.47	971.	2.16	523.	687.	557.	4.27	2234.	0.56	0.58	0.42									
6117	2.73	699.	962.	741.	1.81	1266.	2.32	453.	478.	376.	3.14	1425.	2.42	543.	655.	512.	4.96	2692.	0.65	0.63	0.37									
6150	3.89	777.	953.	676.	2.46	1909.	1.00	0.	288.	288.	0.00	0.	3.69	777.	553.	676.	2.46	1909.	0.00	0.00	1.00									
6151	2.73	701.	967.	745.	1.81	1268.	1.00	0.	288.	288.	0.00	0.	2.73	701.	967.	745.	1.81	1268.	0.00	0.00	1.00									
6152	1.95	565.	901.	758.	1.34	760.	1.00	0.	268.	288.	0.00	0.	1.96	565.	901.	758.	1.34	760.	0.00	0.00	1.00									

Table 7. Continued.

• CONFIGURATION 7

[illegible]

Table 7. Concluded.

5.0 ACOUSTIC DATA SCALING AND NORMALIZATION

Acoustic measurements were made on seven different configurations each having a different geometry as defined in Section 1.0. The total flow area (inner stream plus outer stream) changed from model to model along with the ratio of the outer to inner stream areas. Therefore, in order to make comparisons on common sizes (as presented in Section 7.0), all acoustic data was scaled to both a common model size and a larger engine size. The model size was chosen as 29.399 in.² which is the largest total area of any model tested. The data was also scaled to 513 in.², which is the largest area to which all test points could be scaled because of a limit on the ratio of the scaled model area of 64. At this scale factor there is a nine band 1/3-OB shift which shifts the 80-kHz data to 10 kHz.

For the test points which investigated the effect of low inner flow, the outer stream area was scaled to both 29.399 in.² and 513 in.². For the low inner flow test points the thrust generated by the outer stream is dominant over that from the inner stream; therefore, the scaling was done on the basis of the outer stream area alone. For all other test points the scaling was done on the basis of total flow area since both streams contribute to the engine thrust. This scaling technique results in each configuration having a different scaled thrust level for given inner and outer stream aerodynamic conditions (V , T_t , P_R) because the area ratio changes from configuration to configuration. Therefore, it was necessary to apply an additional normalization to adjust all data points to a common-reference thrust level when configurations were compared to isolate geometry effects. This was accomplished by applying a factor $[-10 \log F/F_{REF}]$ to all sound pressure levels. In effect this adjustment physically represents an increase or decrease in the total weight flow (by means of an area change) to obtain a given thrust level with the pressure ratios, total temperatures, and velocities defined by that particular test point. For model size comparisons an additional factor $[-10 \log A_T/R^2]$ was applied to the acoustic data to present the data on a unit nozzle area and unit radius arc basis. Note that the air attenuation from the unit radius to the measured arc distance (12.2 m) was not added back in the acoustic data. For the model size comparisons the SPL normalization was as follows:

$$\text{SPL}_{NORM} = \text{SPL} - 10 \log A_T/R^2 - 10 \log (F_T/A_T)/(F/A)_{REF}$$

where:

$(F/A)_{REF} = 10.0 \text{ lbf/in.}^2$ was chosen as the reference thrust per unit area.

$$A_T = A^i + A^o = \text{Total Model Area for High Inner Flow Cases}$$

$$A_T = A^o = \text{Outer Stream Area for Low Inner Flow Cases (Low Inner Flow Cases Being Those Where } W_i/W_{t_i} \leq 0.14).$$

$$F_T = \frac{w^i V^i}{g} + \frac{w^o V^o}{g} = \text{Total Ideal Thrust}$$

For the full scale (513 in.²) acoustic results only a thrust normalization was used. The perceived noise level normalization was therefore:

$$PNL_{NORM} = PNL - 10 \log F_T/F_{REF}$$

where $F_{Ref} = 5130 \text{ lbf}$

This reference thrust was derived as follows:

$$F_{REF}/A_{REF} = 10.0 \text{ lbf/in.}^2$$

$$A_{REF} = 513 \text{ in.}^2$$

therefore, $F_{REF} = 5130 \text{ lbf.}$

6.0 DETAILED TABLES OF ACOUSTIC TEST RESULTS

In this section the measured acoustic farfield data are presented for each test point defined in Section 3.0. The acoustic farfield data consists of the 1/3 octave band sound pressure levels at angles to the inlet from 40° through 160° in 10° increments. The power level spectra is also presented along with the calculated OASPL and PNL at each angular location.

Three different tabulations of the acoustic farfield data are presented for each acoustic test point. The data is presented for the following sizes and extrapolated distances:

<u>Size</u>	<u>Acoustic Range</u>
1. Actual Model Size (Varies from Configuration to Configuration)	12.19 m (40 ft) Arc
2. 0.33 m ² (513 in. ²)	45.72 m (150 ft) Arc
3. 0.33 m ² (513 in. ²)	731.5 m (2400 ft) Sideline

An exception to the full-scale data being presented at 513 in.² is made for Runs 1-10 on Configuration 1 which were scaled to 1812 in.² for comparison with data from report NASA CR-135239.

The measured acoustic farfield data for all the test points defined in the test matrix may be located knowing the test point number and the configuration number. There are eight sub-sections, one for each configuration (including the conical) containing the measured acoustic data. A description of the three types of far-field acoustic data sheets is presented in Figures 24 through 26 with all the key parameters defined. These sheets are self-explanatory with the exception of the model scale size. For those test conditions with low amounts of inner flow ($w^i/w_T \leq 0.14$), the size given corresponds to the outer stream area alone. For the high amounts of inner flow ($w^i/w_T > 0.14$), the size corresponds to the sum of the outer and inner stream areas.

In the data handling process there were instances when the acoustic data at a given microphone location were incorrect by a multiple of 10 dB. The microphone positions where this occurred are noted with an asterisk and the data are presented uncorrected.

The "Purpose of Run" descriptions are identified as follows:

- REPEAT3 - match points with data from NASA CR-135239 (Conf. 1)
- LOWFLWC - low inner flow condition ($w^i/w_T < 0.14$)
- ZEROFLW - zero inner flow condition ($w^i/w_T = 0$)
- HIGHFLW - high inner flow condition ($w^i/w_T > 0.14$)
- VELDEPN - inner flow velocity variation
- CONTSTA - outer flow static temperature held constant
- TEMPDEP - outer flow total temperature variation
- REPEAT8 - repeat point for this program (Conf. 7)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 17.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIAN)S

40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	0.	0.	0.	PWL
FREQ. (0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.0)	(3.2)	(3.4)	(3.6)

1/3-Octave-Band
Sound Power Level
Ref: 10-13 Watts

NO EGA	63	No Extra Ground Attenuation
RDG. NO.	0.	Not Used
RADIAL 150. FT.	100	Microphone Distance
(46. M)	125	
VEHICLE	CELL41	Facility
CONFIG	NC52	Data Reduction Request Number
LOC	C41 ANECH CH	Test Location
DATE	06-07-76	Date of Test Run
RUN	CONFIREPEATS	Model Identification and Purpose of Run
TAPE	X00020	Data Point Number
BAR	29.4 HG	Barometer
(99381. N/M2)	800	
TAMB	57. DEG F	Dry Bulb Temperature
(287. DEG K)	1250	Conditions Data Were Taken at Prior to Correction to Standard Day
TWET	55. DEG F	Wet Bulb Temperature
(286. DEG K)	2000	
HACT	10.26 GM/M3	Not Used
(.01026 KG/M3)	3150	
FREQ. SHIFT	4000	Frequency Shift Required for Given Scale Factor
JET	5000	
DIAMETER RATIO	6300	Scale Factor
DF/DM	8.00	
OVERALL CALCULATED	94.6	97.3
PNDB	103.3	110.2
		109.0
		110.3
		111.3
		111.5
		112.9
		114.1
		116.4
		118.8
		120.8
		123.3
		125.8
		128.1
		130.6
		133.1
		135.6
		138.1
		140.6
		143.1
		145.6
		148.1
		150.6
		153.1
		155.6
		158.1
		160.6
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		745.6
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		760.6
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		990.6
		993.1
		995.6
		998.1
		1000.6
		1003.1
		1005.6
		1008.1
		1010.6
		1013.1
		1015.6
		1018.1
		1020.6
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		1035.6
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		1063.1
		1065.6
		1068.1
		1070.6
		1073.1
		1075.6
		1078.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)S
 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000.

1/3-Octave-Band
 Sound Power Level
 Ref: 10-13 Watts

No Extra Ground Attenuation

NO EGA 83
 SIDELINE 2400. FT.
 (731.52 M)
 NFA 1. RPM
 (0. RAD/SEC)
 NFK 1. RPM
 (0. RAD/SEC)
 NFD 7500. RPM
 (785. RAD/SEC)
 AIRFLOW RATIO 500
 W/F/M 8.00
 VEHICLE CELL41
 CONFIG NC52-
 LOC C41 ANECH CH
 DATE 06-07-76
 RUN CONFIREPEATS-2500
 TAPE X00020
 FAN TIP SPEED 4000
 FT/SEC 5000
 6300
 8000
 10000

OVERALL CALCULATED 65.0 68.0 70.6 72.1 73.8 75.0 76.0 77.0 77.8 78.4 79.1 77.7 74.0
 PNB 67.2 72.3 74.7 76.7 78.9 79.5 80.6 81.5 82.3 81.5 79.9 76.1 69.1

Perceived Noise Level
 Overall Sound Pressure Level

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT ACOUSTIC RANGE SIZE *

* Area of outer stream alone used for low inner flow cases.
 Area of inner and outer streams used for high inner flow cases.

REPRODUCIBILITY OF THE
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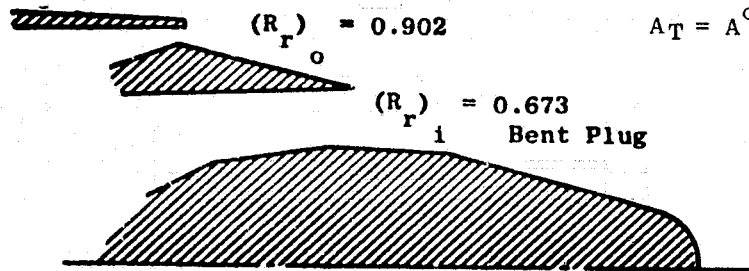
Figure 26. Description of the 2400-Ft Sideline Full-Size Far-Field Acoustic Data Sheet.

6.1 Measured Acoustic Data

- Coannular Configuration 1

$$A^o = 11.057 \text{ in.}^2$$

$$A_T = A^o + A^i = 28.305 \text{ in.}^2$$



Where:

R_r = Radius Ratio

A = Area

Subscripts: o = Outer
i = Inner
t = Outer + Inner

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SIZE
MODEL-183cm²(28.3in²)

ANCHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION	TEST POINT	ACOUSTIC RANGE
1	1	12.2m(40ft.) ARC

	FREQ.	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(3.00)	PWL
NO EGA	50	79.8	81.6	84.1	84.6	85.2	86.3	87.2	89.3	90.8	92.6	97.1	100.3	102.6		146.5
RDG. NO.	63	81.1	82.1	83.6	84.7	85.3	87.4	87.8	90.2	91.1	93.7	97.4	100.3	101.4		146.4
RADIAL 150 FT.	80	82.0	83.0	84.2	85.0	86.4	87.5	89.4	90.3	91.7	93.8	97.0	100.2	100.5		146.3
VEHICLE CELL 41	100	82.7	84.5	85.3	86.0	86.9	88.0	89.6	90.3	92.8	94.6	97.8	100.0	98.5		146.3
CONFIG NC52	125	84.1	84.8	85.3	86.1	87.5	88.6	89.7	90.9	92.6	94.4	97.6	97.6	96.6		145.6
LJC C41 ANECH CH	160	83.7	83.7	86.4	86.0	87.3	88.4	89.6	91.0	92.9	94.3	96.7	97.1	94.9		145.2
DATE 06-07-76	200	84.0	84.8	85.6	86.6	87.9	89.0	89.4	90.3	91.8	94.4	96.1	96.3	93.8		144.8
RUN CONF1 REPEATS	250	83.6	84.9	85.9	86.1	88.0	88.4	90.0	91.1	92.4	94.2	95.4	94.6	91.9		144.6
TAPE X00010	315	83.2	84.0	85.5	86.3	87.1	87.5	89.1	91.0	92.5	93.6	94.3	92.9	90.0		143.7
BAR 29.4 HG.	400	82.7	83.5	85.3	85.8	87.1	87.5	88.9	90.0	92.3	93.6	94.3	92.2	89.0		143.5
(99381. N/M2)	500	81.8	82.6	84.4	84.4	85.2	86.5	88.2	89.9	90.9	92.0	92.2	90.3	87.3		142.1
TAMB 57. DEG F	630	81.2	83.0	83.5	84.6	85.1	86.5	87.4	89.1	90.0	90.9	90.3	88.5	85.5		141.2
TWET (287. DEG K)	800	79.9	82.0	82.8	84.3	85.3	86.2	87.3	88.3	89.5	89.9	88.3	87.9	86.0		140.7
(286. DEG K)	1000	79.4	80.5	81.3	83.3	85.1	86.0	86.9	87.8	89.5	89.7	87.6	87.0	85.2		140.2
HACT10.12 GR/M3	1250	77.8	80.5	81.0	82.3	84.8	84.5	85.3	87.3	89.0	88.7	85.6	86.5	85.0		139.4
(-01012 KG/M3)	1600	75.7	78.7	79.3	81.5	83.6	83.4	85.0	85.5	86.8	86.0	84.2	86.0	84.4		137.9
FREQ. SHIFT	2000	74.7	78.0	78.2	81.4	83.2	83.0	84.0	84.9	86.7	84.8	83.1	85.3	84.8		137.4
JET 9	2500	72.7	76.2	77.7	79.8	82.8	82.3	83.6	83.7	86.9	83.5	79.6	88.7	88.4		137.6
DIAMETER RATIO	3150	72.6	80.9	79.3	80.4	81.3	81.0	83.2	83.8	88.1	85.3	80.1	87.4	88.9		136.1
DF/DN 8.00	4000	70.8	77.2	77.2	79.1	80.3	79.8	78.5	81.5	82.2	79.1	76.3	85.1	84.8		135.0
OVERALL CALCULATED	5000	68.8	75.5	75.7	78.7	78.7	78.5	78.4	79.2	79.9	77.2	74.4	82.7	82.7		133.4
	6000	66.2	71.2	73.8	78.5	77.3	77.1	77.3	75.2	76.8	73.6	71.9	78.9	78.9		131.7
	8000	66.3	70.4	74.4	79.3	78.5	78.2	78.3	73.3	75.2	72.7	69.9	76.3	76.9		132.6
	10000	70.9	74.9	79.9	85.5	84.6	84.5	83.8	73.2	79.9	76.5	73.0	77.0	80.2		130.2
	PNDB	101.4	105.7	106.1	107.7	108.9	109.0	110.3	110.8	113.4	112.4	111.7	114.5	114.2		156.3

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION	TEST POINT	ACOUSTIC RANGE	SIZE
1	1	45.7m(150ft.) ARC	FULL-1.17m ² (1812in ²)

		LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)													
		ANGLES FROM INLET IN DEGREES (AND RADIAN)S													
		40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	
		FREQ.	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	
		50	51.6	54.9	58.5	59.8	60.8	62.1	62.8	64.5	65.3	66.0	68.9	68.7	
		63	52.9	55.5	58.1	59.8	60.8	63.1	63.8	65.3	65.6	67.0	69.2	69.8	
		80	53.6	56.2	58.6	60.1	61.9	63.1	64.9	65.4	66.1	67.1	68.7	69.6	
		100	54.3	57.7	59.6	61.1	62.3	63.6	65.1	65.3	67.1	67.8	69.4	69.2	
		125	55.5	57.9	59.5	61.1	62.8	64.1	65.1	65.8	66.8	67.5	69.1	66.6	
		160	54.9	56.6	60.5	60.8	62.6	63.8	64.8	65.8	67.0	67.2	68.0	66.0	
		200	55.1	57.5	59.7	61.3	63.1	64.3	64.6	65.0	65.7	67.1	67.1	64.8	
		250	54.4	57.4	59.6	60.7	63.0	63.5	65.0	65.7	66.1	66.7	66.2	62.8	
		NFD 7500. RPM	315	53.6	56.2	59.0	60.6	61.9	62.6	63.9	65.3	66.0	65.8	64.7	
		(785. RAD/SEC)	400	52.7	55.4	58.4	59.8	61.6	62.1	63.3	64.0	65.4	65.5	64.3	
		AIRFLOW RATIO	500	51.3	54.0	57.1	58.0	59.4	60.6	62.4	63.5	63.6	63.4	61.6	
		WF/HM 8.00	630	50.0	53.9	55.8	57.7	58.8	60.4	61.1	62.2	62.3	61.8	59.1	
		VEHICLE CELL41	800	47.8	52.1	54.4	56.8	58.5	59.5	60.5	60.8	61.6	60.0	56.2	
		CONFIG NC52	1000	46.2	49.7	52.1	55.1	57.5	58.6	59.3	59.6	60.4	58.9	54.4	
		LOC C41 ANECH CH	1250	43.3	48.5	50.9	53.2	56.4	56.2	56.9	58.2	58.9	56.8	51.1	
		DATE 06-07-76	1600	39.2	45.2	47.7	51.2	53.9	54.0	55.3	55.2	55.2	52.5	47.7	
		RUN CONF1 REPEATS	2000	35.9	42.6	44.9	49.5	52.0	52.1	52.8	53.0	53.4	49.3	44.3	
		TAPE X00010	2500	30.5	38.0	41.9	45.6	49.5	49.3	50.3	49.6	51.2	45.2	37.4	
		FAN TIP SPEED	3150	25.0	38.2	39.7	42.6	44.6	44.6	46.5	46.1	48.4	42.6	32.6	
		FT/SEC	4000	15.1	27.7	31.6	35.9	38.4	37.8	37.9	38.3	36.6	29.6	20.7	
			5000	8.5	20.1	26.7	32.3	33.8	34.1	33.6	32.9	30.9	23.8	14.1	
			6300		6.4	14.7	22.9	23.6	24.1	23.7	19.6	17.7	8.8		
			8000			9.6	11.4	11.9	11.2	3.6	0.7				
		10000													
		OVERALL CALCULATED	64.6	67.4	70.0	71.4	73.1	74.2	75.2	76.1	76.9	77.4	78.1	77.3	
		PND8	66.5	70.5	73.4	75.4	77.4	78.2	79.3	79.9	80.8	80.1	78.5	75.6	

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION / TEST POINT / ACOUSTIC RANGE / SIZE / FULL-1.17m²(182in²)

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

FREQ.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.	190.	200.
(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.27)	(2.44)	(2.62)	(2.79)	(2.97)	(3.14)	(3.32)	(3.49)	(3.67)

RDG. NO.	NO EGA	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	31500	40000	50000	63000	80000										
RADIAL (40. FT. 12. M)	0.	69.6	78.4	75.2	77.0	77.8	77.4	78.3	78.0	79.2	80.2	84.7	84.9	87.7	122.3	122.1	122.8	127.2	127.9	129.2	128.8	128.9	128.8	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2
VEHICLE CELL41	0.	69.8	72.9	73.9	75.9	76.7	77.9	78.0	78.7	79.2	80.2	84.7	84.9	87.7	122.3	122.1	122.8	127.2	127.9	129.2	128.8	128.9	128.8	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2
CONFIG NC52	0.	69.1	71.7	74.2	74.7	75.8	76.2	76.5	78.1	78.7	82.5	83.6	88.1	93.3	95.0	127.2	127.9	129.2	128.8	128.9	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2			
LOC C41 ANECH CH	0.	71.0	73.3	75.3	76.8	77.0	78.6	80.5	81.1	83.1	85.7	90.4	93.0	95.6	127.9	129.2	128.8	128.9	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2					
DATE 06-07-76	0.	71.3	74.8	75.3	75.9	77.0	78.6	80.5	81.1	83.1	85.7	90.4	93.0	95.6	127.9	129.2	128.8	128.9	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2					
RUN CONF1 REPEATS	0.	72.7	75.4	76.2	78.0	79.6	79.7	81.3	82.7	84.7	86.5	90.2	95.1	96.9	129.2	128.8	128.9	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2						
TAPE X00020	0.	73.7	75.0	77.5	77.7	78.8	80.7	80.8	82.5	85.0	87.3	91.5	94.2	95.7	129.2	128.8	128.9	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2						
BAR 29.4 HG	0.	74.5	75.8	77.5	77.8	79.2	81.0	82.2	83.6	84.8	88.1	91.6	94.2	95.3	128.9	128.8	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2							
(99381. N/M2)	0.	75.6	77.4	77.9	79.4	79.8	81.1	83.0	83.9	86.1	88.0	91.4	94.1	94.1	128.9	128.8	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2							
TAMB 57. DEG F	0.	76.6	77.9	79.7	79.9	81.0	82.7	83.5	84.7	86.7	88.7	91.9	93.4	92.2	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2									
(287. DEG K)	0.	77.7	78.2	79.5	80.3	81.1	82.5	83.9	85.3	86.5	88.6	92.0	91.2	90.2	129.2	128.8	128.9	128.7	129.2	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2						
TWET 55. DEG F	0.	77.3	77.8	79.8	80.1	80.9	82.6	83.7	85.4	86.8	88.9	91.3	91.0	88.3	127.9	127.2	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2											
(286. DEG K)	0.	77.4	78.5	80.0	80.5	81.8	82.2	84.1	85.5	86.2	88.3	89.5	88.4	85.5	127.0	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2													
MACTIC 26 GM/M3	0.	77.0	78.3	80.3	80.4	81.2	82.1	82.9	84.9	86.8	87.4	88.4	87.0	84.1	126.4	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2														
(.01026 KG/M3)	0.	76.7	78.5	79.6	80.1	82.2	81.8	83.2	84.8	86.8	88.1	88.6	86.8	84.0	126.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2															
FREQ. SHIFT	0.	75.5	76.8	78.1	78.9	80.2	81.3	82.9	84.4	85.6	87.2	86.4	85.8	82.6	125.6	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2																
JET	0.	75.1	76.5	78.0	78.6	79.1	80.7	81.8	83.8	84.7	85.8	86.0	84.4	82.7	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2																	
DIAMETER RATIO	0.	73.5	76.3	77.1	78.6	79.7	80.8	81.4	82.6	84.6	84.7	84.1	83.5	82.5	124.3	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2																	
DF/DM 1.00	0.	72.5	74.6	74.9	77.4	78.5	78.3	80.0	81.4	82.2	83.7	84.1	83.0	81.1	123.6	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2																		
OVERALL MEASURED	0.	70.9	74.3	74.7	76.6	78.5	78.3	80.0	81.4	82.2	83.7	84.1	83.0	81.1	123.0	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2																			
OVERALL CALCULATED	0.	68.4	73.1	72.8	75.0	76.5	77.4	77.9	79.7	81.0	81.2	78.9	79.9	79.1	121.7	121.3	120.6	124.0	119.8	117.8	116.0	116.3	122.2																				
PND8	0.	66.7	71.8	72.0	74.2	75.9	76.0	77.2	78.2	80.5	79.0	77.1	78.4	78.3	121.3	120.6	119.8	117.8	116.0	116.3	122.2																						
	0.	64.3	70.6	70.5	72.4	75.4	75.0	76.5	76.8	79.5	75.8	73.2	72.6	74.2	120.6	119.8	117.8	116.0	116.3	122.2																							
	0.	66.4	76.7	73.4	74.5	75.7	75.4	77.8	79.2	82.7	76.9	73.2	70.0	73.0	119.8	117.8	116.0	116.3	122.2																								
	0.	62.0	72.4	69.9	70.3	70.8	70.0	70.3	72.5	73.7	69.6	67.3	67.6	69.0	117.8	116.0	116.3	122.2																									
	0.	55.3	66.7	65.9	67.1	66.7	65.7	65.4	66.2	66.4	62.4	60.9	62.9	64.9	116.0	116.3	122.2																										
	0.	48.7	59.9	59.0	61.7	60.0	60.1	60.1	59.7	60.5	58.9	55.9	52.9	54.9	116.3	122.2																											
	0.	42.2	53.8	52.5	56.1	55.1	55.0	54.9	52.6	53.0	48.0	44.6	45.5	47.5	122.2																												
	0.	37.9	50.9	48.4	53.2	51.8	52.2	51.6	46.7	47.9	51.0	41.3	36.1	39.5	160.5																												

ANCHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION	TEST POINT	ACOUSTIC RANGE	SIZE
1	2	12.2m(40ft.) ARC	MODEL-183cm ² (28.3in ²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 17.0		F. 70 PERCENT REL. HUM. DAY - JENOTS	
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F.)		REL. HUM. DAY - JENOTS	
FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)		REL. HUM. DAY - JENOTS	
RDG. NO. 63 80 100 125 160 200 250 315 400 500 630 800 1000 1250 1600 2000 2500 3150 4000 5000 6300 8000 10000		REL. HUM. DAY - JENOTS	
RADIATION (46. M)		REL. HUM. DAY - JENOTS	
VEHICLE CELL41		REL. HUM. DAY - JENOTS	
CONFIG NC52		REL. HUM. DAY - JENOTS	
LOC C41 ANECH CH		REL. HUM. DAY - JENOTS	
DATE 06-07-76		REL. HUM. DAY - JENOTS	
RUN CONFIRREPTS		REL. HUM. DAY - JENOTS	
TAPE X00020		REL. HUM. DAY - JENOTS	
BAR 29.4 HG		REL. HUM. DAY - JENOTS	
(99381. N/M2)		REL. HUM. DAY - JENOTS	
TAMB 57. DEG F		REL. HUM. DAY - JENOTS	
(287. DEG K)		REL. HUM. DAY - JENOTS	
TWEET 55. DEG F		REL. HUM. DAY - JENOTS	
(286. DEG K)		REL. HUM. DAY - JENOTS	
HACT10.26 GW/M3		REL. HUM. DAY - JENOTS	
(0.01026 KG/M3)		REL. HUM. DAY - JENOTS	
FREQ. SHIFT		REL. HUM. DAY - JENOTS	
JET		REL. HUM. DAY - JENOTS	
DIAMETER RATIO		REL. HUM. DAY - JENOTS	
DF/DH 8.00		REL. HUM. DAY - JENOTS	
OVERALL CALCULATED 94.6 97.3 97.9 98.9 100.0 100.8 101.9 103.3 105.0 106.2 108.1 108.9 108.6		REL. HUM. DAY - JENOTS	
PNDB 103.3 110.2 109.0 110.3 111.3 111.5 112.9 114.1 116.4 114.4 113.3 112.8 112.4		REL. HUM. DAY - JENOTS	

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 2 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-1.17m²(1812in²)

PROC. DATE - MONTH 8 DAY 25 HR. 17.0

		LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)											
		FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIAN)											
		40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
FREQ.		(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.07)(2.27)(2.44)(2.62)(2.79)(3.0)(3.1)(3.2)											
NO EGA		50	52.1	54.9	58.5	59.5	61.1	63.1	64.3	66.0	67.3	69.9	70.3
SIDELINE 2400. FT.		63	52.9	55.7	58.6	59.6	61.3	63.3	64.3	65.3	65.8	68.0	69.9
(731.52 M)		80	53.9	57.2	58.9	61.1	61.9	63.4	65.1	65.6	67.1	67.8	70.1
NFA		100	54.8	57.7	60.6	61.6	63.1	64.9	65.6	66.3	67.6	68.5	70.1
(0. RAD/SEC)		125	55.7	57.9	60.3	61.8	63.1	64.6	65.6	66.8	67.3	68.2	70.1
NFK		160	55.2	57.3	63.5	61.5	62.8	64.6	65.6	66.8	67.5	68.4	69.2
(0. RAD/SEC)		200	55.1	53.0	60.0	61.5	63.8	64.6	65.1	65.8	66.5	67.9	64.8
NFD		250	54.9	57.6	60.3	61.7	63.5	64.0	65.7	66.7	66.6	67.5	66.9
(7500. RPM)		315	54.1	57.2	60.5	61.3	62.6	63.6	64.4	65.8	67.0	66.3	65.5
(785. RAD/SEC)		400	53.5	57.1	59.4	60.8	63.3	63.1	64.3	65.5	66.7	66.7	65.3
AIRFLOW RATIO		500	51.8	55.0	57.6	59.3	61.1	62.4	63.9	64.8	65.1	65.4	62.6
W/FWM 8.00		630	50.7	54.1	57.1	58.7	59.6	61.4	62.3	63.7	63.8	63.5	61.6
VEHICLE	CELL41	800	48.3	53.3	55.6	58.1	59.7	61.0	61.5	62.1	63.1	61.7	58.9
CONFIG	NC52	1000	46.4	50.9	52.9	56.4	58.5	59.8	60.8	61.1	61.6	60.4	56.9
LOC C41 ANECH CH		1250	43.8	49.8	51.9	55.0	57.4	57.5	58.9	59.7	60.6	58.5	54.1
DATE 06-07-76		1600	39.7	47.4	49.0	52.4	54.6	55.7	56.0	57.1	57.2	55.5	50.2
RUN CONFIREPEATS		2000	36.4	44.8	47.2	50.7	53.2	53.6	54.5	54.7	55.7	52.0	46.8
TAPE	X00020	2500	31.5	41.7	44.1	47.6	51.4	51.3	52.5	52.0	53.2	47.0	40.4
FAN TIP SPEED		3150	29.5	44.6	44.4	47.3	49.6	49.6	51.7	52.0	53.6	44.8	36.3
FT/SEC		4000	18.9	35.4	36.8	39.6	41.4	41.0	40.8	41.8	40.6	32.6	24.1
		5000	10.4	28.8	32.3	36.2	37.3	36.7	36.0	35.3	32.9	26.7	17.6
		6300		14.3	19.1	25.3	25.6	26.3	25.6	23.3	20.6	13.3	1.1
		8000			2.6	11.0	12.5	13.3	12.3	7.5	3.1		
OVERALL CALCULATED		10000					0.1						
			65.0	68.0	70.6	72.1	73.8	75.0	76.0	77.0	77.8	78.4	79.1
PND8			67.2	72.3	74.7	76.7	78.9	79.5	80.6	81.5	82.3	81.5	79.9
													69.1

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION	TEST POINT	ACOUSTIC RANGE	SIZE
1	2	731.5m(2400ft.) SIDELINE	FULL-1.17m ² (1812in ²)

6, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160.

FREQ. (C.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.) (C.) (C.) (C.)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| NO EGA | 63 | 80 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RDG. NO. | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 | |
| RADIAL | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 | |
| VEHICLE | CELL41 | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| CONFIG | NCS2 | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| LOC | C41 ANECH CH | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| DATE | 06-07-76 | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| RUN | CONFIREPEATS | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| TAPE | X00C3D | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| BAR | 29.4 HG | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| (90381. N/M2) | | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| TAMB | 57. DEG F | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| (287. DEG K) | | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| TWET | 55. DEG F | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
| (286. DEG K) | | 73.1 | 76.9 | 77.9 | 79.4 | 80.5 | 81.2 | 81.5 | 81.7 | 82.2 | 82.4 | 82.7 | 83.2 | 83.5 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | | | | | | | | | | | | | | | | | | | | | |

ANCHOR10C JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 1 | 3 | 12.2m(40ft.) ARC | MODEL-183cm ² (28.3in ²) |

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| PROC. DATE - MONTH 8 DAY 25 HR. 17.0 | | | | | | | | | | | | | | | |
| DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 3 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-1.17m²(1812in²)

| FULL SIZE SOUND PRESSURE | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY) | | | | | | |
|--------------------------|----------|----------|----------|----------|----------|----------|---|----------|----------|----------|----------|----------|------------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | (0.70) | (0.67) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.50) | (3.68) | (3.86) | (4.04) |
| | (4.39) | (4.57) | (4.75) | (4.93) | (5.11) | (5.29) | (5.47) | (5.65) | (5.83) | (6.01) | (6.19) | (6.37) | (6.55) |
| | (6.91) | (7.09) | (7.27) | (7.45) | (7.63) | (7.81) | (7.99) | (8.17) | (8.35) | (8.53) | (8.71) | (8.89) | (9.07) |
| | (9.43) | (9.61) | (9.79) | (9.97) | (10.15) | (10.33) | (10.51) | (10.69) | (10.87) | (11.05) | (11.23) | (11.41) | (11.59) |
| | (11.95) | (12.13) | (12.31) | (12.49) | (12.67) | (12.85) | (13.03) | (13.21) | (13.39) | (13.57) | (13.75) | (13.93) | (14.11) |
| | (14.47) | (14.65) | (14.83) | (15.01) | (15.19) | (15.37) | (15.55) | (15.73) | (15.91) | (16.09) | (16.27) | (16.45) | (16.63) |
| | (16.99) | (17.17) | (17.35) | (17.53) | (17.71) | (17.89) | (18.07) | (18.25) | (18.43) | (18.61) | (18.79) | (18.97) | (19.15) |
| | (19.51) | (19.69) | (19.87) | (20.05) | (20.23) | (20.41) | (20.59) | (20.77) | (20.95) | (21.13) | (21.31) | (21.49) | (21.67) |
| | (21.85) | (22.03) | (22.21) | (22.39) | (22.57) | (22.75) | (22.93) | (23.11) | (23.29) | (23.47) | (23.65) | (23.83) | (24.01) |
| | (24.19) | (24.37) | (24.55) | (24.73) | (24.91) | (25.09) | (25.27) | (25.45) | (25.63) | (25.81) | (25.99) | (26.17) | (26.35) |
| | (26.53) | (26.71) | (26.89) | (27.07) | (27.25) | (27.43) | (27.61) | (27.79) | (27.97) | (28.15) | (28.33) | (28.51) | (28.69) |
| | (28.87) | (29.05) | (29.23) | (29.41) | (29.59) | (29.77) | (29.95) | (30.13) | (30.31) | (30.49) | (30.67) | (30.85) | (31.03) |
| | (31.21) | (31.39) | (31.57) | (31.75) | (31.93) | (32.11) | (32.29) | (32.47) | (32.65) | (32.83) | (33.01) | (33.19) | (33.37) |
| | (33.55) | (33.73) | (33.91) | (34.09) | (34.27) | (34.45) | (34.63) | (34.81) | (34.99) | (35.17) | (35.35) | (35.53) | (35.71) |
| | (35.89) | (36.07) | (36.25) | (36.43) | (36.61) | (36.79) | (36.97) | (37.15) | (37.33) | (37.51) | (37.69) | (37.87) | (38.05) |
| | (38.23) | (38.41) | (38.59) | (38.77) | (38.95) | (39.13) | (39.31) | (39.49) | (39.67) | (39.85) | (39.93) | (40.11) | (40.29) |
| | (40.47) | (40.65) | (40.83) | (41.01) | (41.19) | (41.37) | (41.55) | (41.73) | (41.91) | (42.09) | (42.27) | (42.45) | (42.63) |
| | (42.81) | (42.99) | (43.17) | (43.35) | (43.53) | (43.71) | (43.89) | (44.07) | (44.25) | (44.43) | (44.61) | (44.79) | (44.97) |
| | (45.15) | (45.33) | (45.51) | (45.69) | (45.87) | (46.05) | (46.23) | (46.41) | (46.59) | (46.77) | (46.95) | (47.13) | (47.31) |
| | (47.49) | (47.67) | (47.85) | (48.03) | (48.21) | (48.39) | (48.57) | (48.75) | (48.93) | (49.11) | (49.29) | (49.47) | (49.65) |
| | (49.83) | (50.01) | (50.19) | (50.37) | (50.55) | (50.73) | (50.91) | (51.09) | (51.27) | (51.45) | (51.63) | (51.81) | (51.99) |
| | (52.17) | (52.35) | (52.53) | (52.71) | (52.89) | (53.07) | (53.25) | (53.43) | (53.61) | (53.79) | (53.97) | (54.15) | (54.33) |
| | (54.51) | (54.69) | (54.87) | (55.05) | (55.23) | (55.41) | (55.59) | (55.77) | (55.95) | (56.13) | (56.31) | (56.49) | (56.67) |
| | (56.85) | (57.03) | (57.21) | (57.39) | (57.57) | (57.75) | (57.93) | (58.11) | (58.29) | (58.47) | (58.65) | (58.83) | (59.01) |
| | (59.19) | (59.37) | (59.55) | (59.73) | (59.91) | (60.09) | (60.27) | (60.45) | (60.63) | (60.81) | (60.99) | (61.17) | (61.35) |
| | (61.53) | (61.71) | (61.89) | (62.07) | (62.25) | (62.43) | (62.61) | (62.79) | (62.97) | (63.15) | (63.33) | (63.51) | (63.69) |
| | (63.87) | (64.05) | (64.23) | (64.41) | (64.59) | (64.77) | (64.95) | (65.13) | (65.31) | (65.49) | (65.67) | (65.85) | (66.03) |
| | (66.21) | (66.39) | (66.57) | (66.75) | (66.93) | (67.11) | (67.29) | (67.47) | (67.65) | (67.83) | (68.01) | (68.19) | (68.37) |
| | (68.55) | (68.73) | (68.91) | (69.09) | (69.27) | (69.45) | (69.63) | (69.81) | (69.99) | (70.17) | (70.35) | (70.53) | (70.71) |
| | (70.89) | (71.07) | (71.25) | (71.43) | (71.61) | (71.79) | (71.97) | (72.15) | (72.33) | (72.51) | (72.69) | (72.87) | (73.05) |
| | (73.23) | (73.41) | (73.59) | (73.77) | (73.95) | (74.13) | (74.31) | (74.49) | (74.67) | (74.85) | (75.03) | (75.21) | (75.39) |
| | (75.57) | (75.75) | (75.93) | (76.11) | (76.29) | (76.47) | (76.65) | (76.83) | (77.01) | (77.19) | (77.37) | (77.55) | (77.73) |
| | (77.91) | (78.09) | (78.27) | (78.45) | (78.63) | (78.81) | (78.99) | (79.17) | (79.35) | (79.53) | (79.71) | (79.89) | (80.07) |
| | (80.25) | (80.43) | (80.61) | (80.79) | (80.97) | (81.15) | (81.33) | (81.51) | (81.69) | (81.87) | (82.05) | (82.23) | (82.41) |
| | (82.59) | (82.77) | (82.95) | (83.13) | (83.31) | (83.49) | (83.67) | (83.85) | (84.03) | (84.21) | (84.39) | (84.57) | (84.75) |
| | (84.93) | (85.11) | (85.29) | (85.47) | (85.65) | (85.83) | (86.01) | (86.19) | (86.37) | (86.55) | (86.73) | (86.91) | (87.09) |
| | (87.27) | (87.45) | (87.63) | (87.81) | (87.99) | (88.17) | (88.35) | (88.53) | (88.71) | (88.89) | (89.07) | (89.25) | (89.43) |
| | (89.61) | (89.79) | (89.97) | (90.15) | (90.33) | (90.51) | (90.69) | (90.87) | (91.05) | (91.23) | (91.41) | (91.59) | (91.77) |
| | (91.95) | (92.13) | (92.31) | (92.49) | (92.67) | (92.85) | (93.03) | (93.21) | (93.39) | (93.57) | (93.75) | (93.93) | (94.11) |
| | (94.29) | (94.47) | (94.65) | (94.83) | (95.01) | (95.19) | (95.37) | (95.55) | (95.73) | (95.91) | (96.09) | (96.27) | (96.45) |
| | (96.63) | (96.81) | (96.99) | (97.17) | (97.35) | (97.53) | (97.71) | (97.89) | (98.07) | (98.25) | (98.43) | (98.61) | (98.79) |
| | (98.97) | (99.15) | (99.33) | (99.51) | (99.69) | (99.87) | (100.05) | (100.23) | (100.41) | (100.59) | (100.77) | (100.95) | (101.13) |
| | (101.31) | (101.49) | (101.67) | (101.85) | (102.03) | (102.21) | (102.39) | (102.57) | (102.75) | (102.93) | (103.11) | (103.29) | (103.47) |
| | (103.65) | (103.83) | (104.01) | (104.19) | (104.37) | (104.55) | (104.73) | (104.91) | (105.09) | (105.27) | (105.45) | (105.63) | (105.81) |
| | (106.00) | (106.18) | (106.36) | (106.54) | (106.72) | (106.90) | (107.08) | (107.26) | (107.44) | (107.62) | (107.80) | (107.98) | (108.16) |
| | (108.34) | (108.52) | (108.70) | (108.88) | (109.06) | (109.24) | (109.42) | (109.60) | (109.78) | (109.96) | (110.14) | (110.32) | (110.50) |
| | (110.68) | (110.86) | (111.04) | (111.22) | (111.40) | (111.58) | (111.76) | (111.94) | (112.12) | (112.30) | (112.48) | (112.66) | (112.84) |
| | (113.02) | (113.20) | (113.38) | (113.56) | (113.74) | (113.92) | (114.10) | (114.28) | (114.46) | (114.64) | (114.82) | (115.00) | (115.18) |
| | (115.36) | (115.54) | (115.72) | (115.90) | (116.08) | (116.26) | (116.44) | (116.62) | (116.80) | (116.98) | (117.16) | (117.34) | (117.52) |
| | (117.70) | (117.88) | (118.06) | (118.24) | (118.42) | (118.60) | (118.78) | (118.96) | (119.14) | (119.32) | (119.50) | (119.68) | (119.86) |
| | (120.04) | (120.22) | (120.40) | (120.58) | (120.76) | (120.94) | (121.12) | (121.30) | (121.48) | (121.66) | (121.84) | (122.02) | (122.20) |
| | (122.38) | (122.56) | (122.74) | (122.92) | (123.10) | (123.28) | (123.46) | (123.64) | (123.82) | (124.00) | (124.18) | (124.36) | (124.54) |
| | (124.72) | (124.90) | (125.08) | (125.26) | (125.44) | (125.62) | (125.80) | (125.98) | (126.16) | (126.34) | (126.52) | (126.70) | (126.88) |
| | (127.06) | (127.24) | (127.42) | (127.60) | (127.78) | (127.96) | (128.14) | (128.32) | (128.50) | (128.68) | (128.86) | (129.04) | (129.22) |
| | (129.40) | (129.58) | (129.76) | (129.94) | (130.12) | (130.30) | (130.48) | (130.66) | (130.84) | (131.02) | (131.20) | (131.38) | (131.56) |
| | (131.74) | (131.92) | (132.10) | (132.28) | (132.46) | (132.64) | (132.82) | (133.00) | (133.18) | (133.36) | (133.54) | (133.72) | (133.90) |
| | (134.08) | (134.26) | (134.44) | (134.62) | (134.80) | (134.98) | (135.16) | (135.34) | (135.52) | (135.70) | (135.88) | (136.06) | (136.24) |
| | (136.42) | (136.60) | (136.78) | (136.96) | (137.14) | (137.32) | (137.50) | (137.68) | (137.86) | (138.04) | (138.22) | (138.40) | (138.58) |
| | (138.76) | (138.94) | (139.12) | (139.30) | (139.48) | (139.66) | (139.84) | (140.02) | (140.20) | (140.38) | (140.56) | (140.74) | (140.92) |
| | (141.10) | (141.28) | (141.46) | (141.64) | (141.82) | (142.00) | (142.18) | (142.36) | (142.54) | (142.72) | (142.90) | (143.08) | (143.26) |
| | (143.44) | (143.62) | (143.80) | (143.98) | (144.16) | (144.34) | (144.52) | (144.70) | (144.88) | (145.06) | (145.24) | (145.42) | (145.60) |
| | (145.78) | (145.96) | (146.14) | (146.32) | (146.50) | (146.68) | (146.86) | (147.04) | (147.22) | (147.40) | (147.58) | (147.76) | (147.94) |
| | (148.12) | (148.30) | (148.48) | (148.66) | (148.84) | (149.02) | (149.20) | (149.38) | (149.56) | (149.74) | (149.92) | (150.10) | (150.28) |
| | (150.46) | (150.64) | (150.82) | (151.00) | (151.18) | (151.36) | (151.54) | (151.72) | (151.90) | (152.08) | (152.26) | (152.44) | (152.62) |
| | (152.80) | (152.98) | (153.16) | (153.34) | (153.52) | (153.70) | (153.88) | (154.06) | (154.24) | (154.42) | (154.60) | (154.78) | (154.96) |
| | (155.14) | (155.32) | (155.50) | (155.68) | (155.86) | (156.04) | (156.22) | (156.40) | (156.58) | (156.76) | (156.94) | (157.12) | (157.30) |
| | (157.48) | (157.66) | (157.84) | (158.02) | (158.20) | (158.38) | (158.56) | (158.74) | (158.92) | (159.10) | (159.28) | (159.46) | (159.64) |
| | (159.82) | (160.00) | (160.18) | (160.36) | (160.54) | (160.72) | (160.90) | (161.08) | (161.26) | (161.44) | (161.62) | (161.80) | (161.98) |
| | (162.16) | (162.34) | (162.52) | (162.70) | (162.88) | (163.06) | (163.24) | (163.42) | (163.60) | (163.78) | (163.96) | (164.14) | (164.32) |
| | (164.50) | (164.68) | (164.86) | (165.04) | (165.22) | (165.40) | (165.58) | (165.76) | (165.94) | (166.12) | (166.30) | (166.48) | (166.66) |
| | (166.84) | (167.02) | (167.20) | (167.38) | (167.56) | (167.74) | (167.92) | (168.10) | (168.28) | (168.46) | (168.64) | (168.82) | (169.00) |
| | (169.18) | (169.36) | (169.54) | (169.72) | (169.90) | (170.08) | (170.26) | (170.44) | (170.62) | (170.80) | (170.98) | (171.16) | (171.34) |
| | (171.52) | (171.70) | (171.88) | (172.06) | (172.24) | (172.42) | (172.60) | (172.78) | (172.96) | (173.14) | (173.32) | (173.50) | (173.68) |
| | (173.86) | (174.04) | (174.22) | (174.40) | (174.58) | (174.76) | (174.94) | (175.12) | (175.30) | (175.48) | (175.66) | (175.84) | (176.02) |
| | (176.20) | (176.38) | (176.56) | (176.74) | (176.92) | (177.10) | (177.28) | (177.46) | (177.64) | (177.82) | (178.00) | (178.18) | (178.36) |
| | (178.54) | (178.72) | (178.90) | (179.08) | (179.26) | (179.44) | (179.62) | (179.80) | (179.98) | (180.16) | (180.34) | (180.52) | (180.70) |
| | (180.88) | (181.06) | (181.24) | (181.42) | (181.60) | (181.78) | (181.96) | (182.14) | (182.32) | (182.50) | (182.68) | (182.86) | (183.04) |
| | (183.22) | (183.40) | (183.58) | (183.76) | (183.94) | (184.12) | (184.30) | (184.48) | (184.66) | (184.84) | (185.02) | (185.20) | (185.38) |
| | (185.56) | (185.74) | (185.92) | (186.10) | (186.28) | (186.46) | (186.64) | (186.82) | (187.00) | (187.18) | (187.36) | (187.54) | (187.72) |
| | (187.90) | (188.08) | (188.26) | (188.44) | (188.62) | (188.80) | (188.98) | (189.16) | (189.34) | (189.52) | (189.70) | (189.88) | (190.06) |
| | (190.24) | (190.42) | (190.60) | (190.78) | (190.96) | (191.14) | (191.32) | (191.50) | (191.68) | (191.86) | (192.04) | (192.22) | (192.40) |
| | (192.58) | (192.76) | (192.94) | (193.12) | (193.30) | (193.48) | (193.66) | (193.84) | (194.02) | (194.20) | (194.38) | (194.56) | (194.74) |
| | (194.92) | (195.10) | (195.28) | (195.46) | (195.64) | (195.82) | (196.00) | (196.18) | (196.36) | (196.54) | (196.72) | (196.90) | (197.08) |
| | (197.26) | (197.44) | (197.62) | (197.80) | (197.98) | (198.16) | (198.34) | (198.52) | (198.70) | (198.88) | (199.06) | (199.24) | (199.42)</ |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| / | 3 | 731.5m(2400ft.) | FULL-1.17m ² (1812in ²) |

| FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | | | |
|-----------------------------------|------|--|--------|--------|--------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY - JENOTS) | | | | PROC. DATE - MONTH 8 DAY 25 HR. 17.0 | | | | | | | | | | |
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| | | FREQ. (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| NO EGA | 50 | 87.3 | 89.3 | 91.3 | 92.3 | 92.9 | 95.1 | 95.4 | 97.8 | 100.8 | 104.4 | 108.8 | 112.8 | 111.1 | 111.1 | 111.1 |
| RDG. NO. U. | 63 | 88.9 | 90.4 | 91.6 | 92.7 | 94.0 | 95.4 | 96.5 | 98.7 | 101.4 | 105.7 | 109.9 | 113.8 | 109.6 | 109.6 | 109.6 |
| RADIAL 150. FT. | 80 | 90.2 | 92.0 | 92.5 | 94.0 | 95.4 | 96.2 | 98.4 | 99.8 | 103.0 | 106.3 | 109.3 | 110.8 | 109.6 | 109.6 | 109.6 |
| (46. M) | 100 | 91.5 | 93.0 | 94.0 | 95.3 | 96.1 | 98.0 | 99.4 | 101.5 | 104.5 | 108.3 | 110.0 | 109.5 | 107.3 | 108.0 | 108.0 |
| VEHICLE CELL41 | 125 | 92.8 | 94.1 | 95.3 | 96.1 | 97.0 | 98.8 | 99.7 | 102.4 | 105.1 | 108.9 | 109.1 | 107.8 | 106.1 | 106.1 | 106.1 |
| CONFIG NC52 | 160 | 93.4 | 94.2 | 95.9 | 96.7 | 97.1 | 99.4 | 100.6 | 103.5 | 106.4 | 109.5 | 109.7 | 108.6 | 106.7 | 106.7 | 106.7 |
| LOC C41 ANECH CH | 200 | 94.0 | 95.8 | 95.8 | 97.4 | 98.7 | 100.5 | 100.9 | 103.3 | 107.1 | 110.4 | 110.3 | 109.0 | 107.3 | 107.3 | 107.3 |
| DATE 06-07-76 | 250 | 94.8 | 95.9 | 97.4 | 97.4 | 99.2 | 100.4 | 102.7 | 104.6 | 108.1 | 110.4 | 110.6 | 109.6 | 107.1 | 107.1 | 107.1 |
| RUN CONF REPEATS | 315 | 94.9 | 96.0 | 97.0 | 97.3 | 99.4 | 100.2 | 102.4 | 105.0 | 109.0 | 110.1 | 110.3 | 110.4 | 108.0 | 108.0 | 108.0 |
| TAPE X00040 | 400 | 95.2 | 97.0 | 97.8 | 98.0 | 100.6 | 101.7 | 103.6 | 106.0 | 110.0 | 110.6 | 110.8 | 110.7 | 109.0 | 109.0 | 109.0 |
| SAR 29.4 HG | 500 | 94.8 | 96.6 | 97.6 | 98.6 | 100.0 | 101.6 | 103.2 | 106.9 | 109.6 | 111.2 | 110.9 | 111.1 | 108.8 | 108.8 | 108.8 |
| (99381. N/M2) | 630 | 95.5 | 97.8 | 98.3 | 99.1 | 100.4 | 102.0 | 104.1 | 106.8 | 109.8 | 110.6 | 110.8 | 111.0 | 111.0 | 111.0 | 111.0 |
| TAMB 55. DEG F | 800 | 98.4 | 102.0 | 100.8 | 99.8 | 101.9 | 103.2 | 104.9 | 107.5 | 111.0 | 110.6 | 111.1 | 111.9 | 112.2 | 112.2 | 112.2 |
| (286. DEG K) | 1000 | 99.6 | 102.0 | 100.3 | 101.3 | 103.1 | 103.2 | 105.4 | 108.0 | 110.3 | 111.2 | 110.9 | 112.7 | 112.5 | 112.5 | 112.5 |
| TWET 53. DEG F | 1250 | 101.8 | 106.0 | 105.1 | 103.8 | 104.1 | 103.5 | 105.1 | 108.0 | 110.1 | 110.7 | 110.9 | 112.2 | 112.0 | 112.0 | 112.0 |
| (285. DEG K) | 1600 | 101.4 | 105.7 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 |
| HACT 9.72 GM/M3 | 2000 | 98.5 | 103.3 | 105.0 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 | 107.7 |
| (.00972 KG/M3) | 2500 | 95.4 | 100.8 | 101.4 | 104.3 | 107.5 | 106.1 | 106.1 | 104.8 | 107.5 | 106.3 | 106.1 | 106.8 | 109.8 | 109.8 | 109.8 |
| FREQ. SHIFT | 3150 | 95.1 | 99.9 | 99.4 | 101.9 | 103.9 | 104.3 | 105.3 | 103.4 | 106.9 | 103.6 | 105.2 | 104.4 | 106.7 | 106.7 | 106.7 |
| JET 9 | 40 | | | | | | | | | | | | | | | |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 4 | 45.7m(150ft.) ARC | FULL-1.17m ² (1812in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 17.0

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | |
| | | 50 | 59.1 | 62.7 | 65.8 | 67.5 | 68.6 | 69.6 | 71.1 | 73.0 | 75.3 | 77.8 | 80.7 | 80.3 | |
| NO EGA | | 63 | 60.6 | 63.7 | 66.1 | 67.8 | 69.6 | 71.1 | 72.1 | 73.8 | 75.8 | 79.0 | 80.7 | 80.3 | |
| SIDELINE 2400. FT. | | 80 | 61.9 | 65.2 | 66.9 | 69.1 | 70.9 | 71.9 | 73.9 | 74.9 | 77.4 | 79.6 | 80.9 | 79.1 | |
| (731.52 M) | | 100 | 63.0 | 66.2 | 68.3 | 70.3 | 71.6 | 73.6 | 74.8 | 76.6 | 78.8 | 81.5 | 81.6 | 78.7 | |
| NFA | | 125 | 64.2 | 67.2 | 69.5 | 71.1 | 72.3 | 74.4 | 75.1 | 77.3 | 79.3 | 82.0 | 80.6 | 76.9 | |
| (0. RAD/SEC) | | 160 | 64.7 | 67.1 | 70.0 | 71.5 | 72.3 | 74.8 | 75.8 | 78.3 | 80.5 | 82.4 | 81.0 | 77.5 | |
| NFK | | 200 | 65.1 | 68.5 | 69.7 | 72.0 | 73.8 | 75.8 | 76.1 | 78.0 | 81.0 | 83.1 | 81.4 | 77.6 | |
| (0. RAD/SEC) | | 250 | 65.6 | 68.4 | 71.1 | 71.9 | 74.2 | 75.5 | 77.7 | 79.2 | 81.3 | 83.0 | 81.4 | 77.8 | |
| NFD 7500. RPM | | 315 | 65.4 | 68.2 | 70.5 | 72.1 | 74.1 | 75.1 | 77.1 | 79.3 | 82.5 | 82.3 | 80.7 | 78.2 | |
| (785. RAD/SEC) | | 400 | 65.2 | 68.9 | 70.9 | 73.0 | 75.1 | 76.4 | 78.1 | 80.0 | 83.2 | 82.5 | 81.8 | 77.9 | |
| AIRFLOW RATIO | | 500 | 64.3 | 68.0 | 70.4 | 72.3 | 74.1 | 75.9 | 77.4 | 80.5 | 82.4 | 82.7 | 80.4 | 77.6 | |
| WFF/M 8.00 | | 630 | 64.2 | 68.6 | 70.6 | 72.2 | 74.1 | 75.9 | 77.8 | 80.0 | 82.1 | 81.5 | 79.6 | 76.6 | |
| VEHICLE | | 800 | 66.3 | 72.1 | 72.4 | 72.3 | 75.0 | 76.5 | 78.0 | 80.1 | 82.6 | 80.7 | 78.9 | 76.4 | |
| CELL41 | | 1000 | 66.4 | 71.2 | 71.1 | 73.1 | 75.5 | 75.8 | 77.8 | 79.9 | 81.1 | 80.4 | 77.7 | 75.8 | |
| CONFIG NC52 | | 1250 | 67.3 | 74.1 | 74.9 | 74.7 | 75.7 | 75.2 | 76.7 | 79.0 | 79.9 | 78.8 | 76.3 | 73.5 | |
| LOC C41 ANECH CH | | 1600 | 64.9 | 72.2 | 74.2 | 75.4 | 76.2 | 75.0 | 75.1 | 76.2 | 77.2 | 75.3 | 73.2 | 69.5 | |
| DATE 06-07-76 | | 2000 | 59.7 | 67.8 | 71.7 | 75.8 | 76.5 | 74.9 | 74.3 | 74.3 | 76.2 | 72.8 | 70.3 | 65.4 | |
| RUN CONFIREPEATS | | 2500 | 54.3 | 62.5 | 65.7 | 70.1 | 74.2 | 73.1 | 72.8 | 70.6 | 71.7 | 68.0 | 64.0 | 58.2 | |
| TAPE X00040 | | 3150 | 47.5 | 57.2 | 59.7 | 64.1 | 67.1 | 67.9 | 68.5 | 65.6 | 67.2 | 60.9 | 57.6 | 48.9 | |
| FAN TIP SPEED | | 4000 | 39.2 | 50.0 | 55.4 | 59.4 | 62.0 | 61.9 | 62.4 | 61.7 | 59.7 | 53.5 | 48.5 | 39.4 | |
| FT/SEC | | 5000 | 32.3 | 44.7 | 51.5 | 55.6 | 57.1 | 57.6 | 57.4 | 57.9 | 55.5 | 49.6 | 42.7 | 31.7 | |
| | | 6300 | 15.9 | 30.4 | 39.5 | 44.2 | 44.7 | 46.4 | 45.8 | 46.0 | 42.5 | 36.7 | 27.5 | 11.7 | |
| | | 8000 | 11.4 | 24.2 | 29.1 | 30.2 | 31.7 | 30.5 | 30.9 | 27.2 | 19.4 | 6.5 | | | |
| | | 10000 | | 6.9 | 11.8 | 13.2 | 16.2 | 14.2 | 12.7 | 7.9 | | | | | |
| OVERALL CALCULATED | | | 76.9 | 81.6 | 83.3 | 85.0 | 86.6 | 87.4 | 86.7 | 90.6 | 92.8 | 93.3 | 92.3 | 89.7 | |
| PNDB | | | 83.8 | 90.1 | 92.4 | 95.1 | 96.6 | 96.5 | 97.0 | 97.7 | 99.5 | 98.6 | 97.1 | 93.5 | |
| | | | | | | | | | | | | | | 86.6 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 4 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-1.17m²(1812in²)

[illegible][illegible]

ANCHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 1 | 5 | 12.2m(40ft.) ARC | MODEL-183cm ² (28.3in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 17.1
ATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JEVOTS)
DEGREES (AND RADIANS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
|--------------------|--------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) |
| NO ERA | | 50 | 31.3 | 84.1 | 86.1 | 85.8 | 87.4 | 89.1 | 89.9 | 94.1 | 96.6 | 90.4 | 106.3 | 108.3 | 109.1 | | |
| RDG. NO. 0. | | 63 | 81.4 | 83.4 | 83.9 | 85.2 | 86.8 | 89.4 | 89.0 | 92.9 | 95.4 | 90.7 | 104.9 | 108.1 | 108.6 | | |
| RADIAL 150. FT. | | 80 | 82.0 | 83.7 | 85.0 | 86.0 | 87.1 | 88.9 | 89.3 | 90.2 | 94.3 | 96.8 | 90.6 | 104.6 | 107.5 | | |
| (46. M) | | 100 | 83.0 | 85.0 | 86.0 | 87.1 | 88.9 | 89.3 | 90.2 | 94.3 | 96.8 | 90.6 | 104.6 | 106.0 | 105.5 | | |
| VEHICLE | CELL41 | 125 | 85.1 | 86.1 | 87.1 | 87.6 | 89.2 | 90.9 | 91.0 | 94.6 | 96.6 | 89.9 | 103.1 | 103.1 | 103.1 | | |
| CONFIG | NC52 | 160 | 84.4 | 85.7 | 87.7 | 88.0 | 89.3 | 90.7 | 91.1 | 95.0 | 97.2 | 89.8 | 102.2 | 101.9 | 99.9 | | |
| LCC | C41 ANECH CH | 200 | 84.0 | 85.8 | 86.6 | 87.9 | 89.7 | 91.1 | 90.7 | 93.9 | 97.1 | 89.7 | 101.1 | 100.0 | 97.6 | | |
| DATE | 06-07-76 | 250 | 84.1 | 85.1 | 86.9 | 87.4 | 89.5 | 90.4 | 91.0 | 94.4 | 96.6 | 88.7 | 99.7 | 98.1 | 94.6 | | |
| RUN | CONFIREPEATS | 315 | 83.5 | 84.5 | 86.0 | 87.3 | 88.7 | 89.3 | 89.9 | 93.0 | 96.0 | 88.1 | 97.6 | 95.5 | 91.8 | | |
| TAPE | X00050 | 400 | 84.0 | 84.8 | 85.8 | 86.8 | 88.7 | 89.3 | 89.2 | 93.1 | 95.3 | 87.2 | 96.3 | 93.3 | 89.5 | | |
| BAR | 29.4 HG | 500 | 82.3 | 83.4 | 84.9 | 85.7 | 87.5 | 88.4 | 88.8 | 92.4 | 94.4 | 85.0 | 93.5 | 90.1 | 86.4 | | |
| (99381. N/M2) | | 630 | 82.5 | 82.8 | 84.1 | 85.9 | 86.7 | 87.5 | 87.4 | 91.6 | 93.3 | 83.4 | 91.1 | 87.3 | 83.8 | | |
| TANB | 84. DEG F | 800 | 81.4 | 82.7 | 83.8 | 84.3 | 86.4 | 88.0 | 87.1 | 90.6 | 92.8 | 82.9 | 90.1 | 87.0 | 85.2 | | |
| (302. DEG K) | | 1000 | 80.9 | 81.5 | 82.1 | 83.3 | 85.7 | 86.8 | 86.7 | 89.3 | 91.8 | 82.0 | 89.1 | 86.0 | 84.3 | | |
| TWET | 69. DEG F | 1250 | 78.9 | 81.2 | 81.6 | 82.6 | 85.1 | 84.7 | 84.9 | 88.6 | 91.6 | 80.5 | 87.9 | 85.3 | 83.7 | | |
| (294. DEG K) | | 1600 | 76.9 | 79.0 | 79.6 | 80.8 | 83.1 | 83.5 | 83.3 | 86.1 | 88.9 | 78.3 | 86.5 | 84.8 | 83.7 | | |
| HACT13.18 GM/M3 | | 2000 | 76.0 | 77.8 | 78.5 | 80.2 | 82.0 | 82.0 | 82.0 | 84.4 | 88.5 | 77.5 | 86.4 | 84.6 | 84.3 | | |
| (.01318 KG/M3) | | 2500 | 73.9 | 75.8 | 77.2 | 77.3 | 80.6 | 80.1 | 80.4 | 81.3 | 83.2 | 79.8 | 85.6 | 83.5 | 82.2 | | |
| FFREQ. SHIFT | | 3150 | 72.9 | 75.0 | 76.2 | 75.4 | 78.1 | 77.9 | 79.0 | 77.9 | 80.4 | 76.4 | 84.4 | 79.9 | 79.5 | | |
| JET | 9 | 4000 | 73.4 | 75.6 | 77.6 | 76.5 | 78.0 | 77.7 | 78.2 | 77.9 | 78.4 | 74.0 | 81.9 | 79.8 | 78.4 | | |
| DIAMETER RATIO | | 5000 | 73.5 | 76.3 | 79.3 | 77.5 | 77.8 | 77.3 | 77.5 | 77.0 | 76.8 | 73.0 | 79.8 | 77.8 | 77.5 | | |
| DF/DM | 8.00 | 6300 | 73.9 | 76.7 | 80.4 | 78.3 | 77.4 | 77.2 | 80.7 | 73.8 | 73.9 | 70.9 | 76.4 | 75.0 | 74.7 | | |
| | | 8000 | 75.7 | 78.2 | 83.1 | 80.1 | 79.3 | 78.9 | 82.3 | 72.4 | 72.4 | 71.5 | 78.4 | 74.1 | 74.2 | | |
| | | 10000 | 81.9 | 84.6 | 91.4 | 87.3 | 86.1 | 86.2 | 87.1 | 74.6 | 75.4 | 77.1 | 83.7 | 76.5 | 79.7 | | |
| OVERALL CALCULATED | | 95.2 | 96.7 | 98.7 | 98.8 | 100.3 | 101.4 | 101.7 | 105.1 | 107.5 | 100.2 | 113.2 | 114.6 | 114.6 | 143.3 | | |
| PNDB | | 103.3 | 105.3 | 108.7 | 107.5 | 108.6 | 108.9 | 109.4 | 111.2 | 113.7 | 106.7 | 116.1 | 115.4 | 114.4 | 160.9 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 5 | 45.7m(150ft.) ARC | FULL-1.17m ² (181210 ²) |

PROC. DATE MONTH 8 DAY 25 HR. 17.1

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| NO EGA | 50 | 53.1 | 57.4 | 60.5 | 61.1 | 63.1 | 64.8 | 65.6 | 69.3 |
| SIDELINE 2400. FT. | 80 | 53.6 | 57.0 | 59.4 | 61.4 | 63.4 | 64.9 | 65.9 | 68.9 |
| (731.52 M) | 100 | 54.6 | 58.2 | 60.3 | 62.1 | 64.4 | 64.9 | 65.6 | 69.3 |
| NFA (0. RAD/SEC) | 125 | 56.5 | 59.2 | 61.3 | 62.6 | 64.6 | 66.4 | 66.4 | 69.6 |
| NFK (1. RPM) | 160 | 55.7 | 58.6 | 61.3 | 62.8 | 64.6 | 66.1 | 66.3 | 69.8 |
| NFD (0. RAD/SEC) | 200 | 55.1 | 58.5 | 60.5 | 62.6 | 64.8 | 66.3 | 65.8 | 69.8 |
| (785. RAD/SEC) | 250 | 54.9 | 57.7 | 60.6 | 61.9 | 64.5 | 65.5 | 66.0 | 68.9 |
| AIRFLOW RATIO | 315 | 53.9 | 56.8 | 59.5 | 61.6 | 63.4 | 64.2 | 64.6 | 67.8 |
| WF/MM 8.00 | 400 | 54.0 | 56.7 | 59.0 | 60.8 | 63.1 | 63.9 | 63.6 | 67.1 |
| VEHICLE | 500 | 51.8 | 54.8 | 57.7 | 59.3 | 61.7 | 62.7 | 62.9 | 66.1 |
| CONFIG | 630 | 51.3 | 53.7 | 56.4 | 59.0 | 60.4 | 61.4 | 61.1 | 64.8 |
| LOC C41 ANECH CH | 800 | 49.3 | 52.9 | 55.4 | 56.9 | 59.5 | 61.3 | 60.2 | 63.1 |
| DATE 06-07-76 | 1000 | 47.7 | 50.7 | 52.9 | 55.2 | 58.1 | 59.4 | 59.1 | 61.2 |
| RUN CONF1 REPEATS | 1250 | 44.3 | 49.3 | 51.4 | 53.5 | 56.7 | 56.5 | 56.4 | 59.5 |
| TAPE X00050 | 1600 | 40.5 | 45.4 | 48.0 | 50.5 | 53.4 | 54.0 | 53.6 | 55.7 |
| FAN TIP SPEED | 2000 | 37.2 | 42.3 | 45.2 | 48.3 | 50.8 | 51.1 | 50.8 | 52.5 |
| FT/SEC | 2500 | 31.8 | 37.5 | 41.5 | 43.1 | 47.3 | 47.1 | 47.1 | 47.5 |
| OVERALL CALCULATED | 3150 | 25.3 | 32.2 | 36.5 | 37.7 | 41.4 | 41.5 | 42.3 | 40.1 |
| PMdB | 4000 | 17.8 | 26.1 | 32.0 | 33.3 | 36.1 | 36.2 | 36.3 | 34.7 |
| | 5000 | 13.2 | 22.9 | 30.3 | 31.1 | 32.9 | 32.9 | 32.6 | 32.8 |
| | 6300 | | 11.9 | 21.3 | 22.8 | 23.7 | 24.1 | 27.0 | 27.8 |
| | 8000 | | | 8.6 | 10.4 | 12.2 | 12.6 | 15.2 | 14.9 |
| | 10000 | | | | | 0.2 | 1.5 | 1.2 | 2.7 |
| | | 65.2 | 68.4 | 70.9 | 72.6 | 74.7 | 76.0 | 76.2 | 79.5 |
| | | 67.6 | 71.2 | 74.1 | 76.0 | 78.4 | 79.4 | 79.3 | 82.2 |
| | | | | | | | | | 81.0 |
| | | | | | | | | | 72.9 |
| | | | | | | | | | 84.6 |
| | | | | | | | | | 83.9 |
| | | | | | | | | | 80.1 |
| | | | | | | | | | 83.3 |
| | | | | | | | | | 80.1 |
| | | | | | | | | | 74.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 5 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-1.17m²(1812in²)

PROC. DATE - MONTH 8 DAY 25 HR. 17.1
ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JEROTS)
DEGREES (AND RADIANS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 82.0 | 84.8 | 86.8 | 88.2 | 89.8 | 91.4 | 94.3 | 96.8 | 100.9 | 107.1 | 109.0 | 109.6 | 154.5 | | | | | |
| RDG. NO. 0. | 63 | 82.4 | 84.1 | 85.1 | 85.7 | 87.5 | 89.9 | 92.8 | 95.9 | 99.4 | 101.7 | 105.9 | 109.1 | 154.3 | | | | | |
| RADIAL 150. FT. | 80 | 83.2 | 85.2 | 86.0 | 87.0 | 88.9 | 90.5 | 92.4 | 94.8 | 97.0 | 101.1 | 105.5 | 108.2 | 153.7 | | | | | |
| (46. M) | 100 | 84.2 | 86.0 | 86.5 | 88.3 | 89.9 | 91.3 | 93.2 | 95.3 | 98.3 | 101.3 | 105.3 | 107.2 | 153.1 | | | | | |
| VEHICLE CELL41 | 125 | 85.3 | 87.4 | 37.9 | 88.9 | 90.2 | 91.6 | 93.5 | 96.1 | 97.9 | 101.4 | 104.6 | 103.8 | 151.7 | | | | | |
| CONFIG NC52 | 160 | 85.7 | 86.7 | 88.7 | 89.8 | 91.4 | 93.6 | 96.5 | 98.0 | 101.5 | 103.0 | 103.2 | 100.9 | 151.0 | | | | | |
| LOC C41 AVECH CH | 200 | 85.0 | 86.8 | 88.1 | 88.9 | 90.5 | 92.6 | 93.0 | 95.1 | 97.6 | 101.4 | 102.4 | 101.3 | 150.2 | | | | | |
| DATE 06-07-76 | 250 | 85.8 | 86.4 | 88.1 | 88.4 | 90.5 | 91.4 | 93.3 | 95.7 | 97.1 | 100.7 | 100.7 | 98.6 | 149.2 | | | | | |
| RUN CONFEPEATS | 315 | 84.7 | 86.0 | 87.8 | 88.6 | 89.4 | 90.8 | 92.9 | 94.8 | 96.8 | 99.6 | 98.6 | 97.0 | 148.1 | | | | | |
| TAPE X00060 | 400 | 85.2 | 86.3 | 87.3 | 88.3 | 89.9 | 90.8 | 92.4 | 94.8 | 96.8 | 99.2 | 98.1 | 95.5 | 147.7 | | | | | |
| BAR 29.4 HG | 500 | 83.8 | 84.9 | 86.2 | 87.2 | 88.3 | 89.6 | 91.3 | 94.2 | 95.2 | 97.3 | 95.5 | 93.4 | 146.1 | | | | | |
| (99381. N/M2) | 630 | 83.7 | 85.0 | 85.8 | 86.6 | 87.9 | 89.0 | 90.7 | 93.1 | 94.6 | 95.2 | 94.4 | 91.5 | 145.0 | | | | | |
| TAMB 84. DEG F | 800 | 82.7 | 84.2 | 85.0 | 85.8 | 87.3 | 89.2 | 90.1 | 91.8 | 94.0 | 94.7 | 92.3 | 91.0 | 144.2 | | | | | |
| (302. DEG K) | 1000 | 81.9 | 82.8 | 83.8 | 85.8 | 87.1 | 88.5 | 89.6 | 91.6 | 92.8 | 93.7 | 91.1 | 89.0 | 143.4 | | | | | |
| TWET 69. DEG F | 1250 | 80.1 | 82.5 | 82.6 | 84.1 | 86.9 | 86.7 | 88.1 | 90.3 | 92.1 | 91.5 | 89.2 | 87.8 | 142.1 | | | | | |
| (294. DEG K) | 1600 | 77.7 | 80.5 | 80.9 | 82.8 | 84.4 | 85.5 | 86.3 | 88.1 | 90.1 | 89.8 | 87.7 | 86.3 | 140.4 | | | | | |
| HACT13.27 GM/M3 | 2000 | 76.5 | 79.0 | 79.5 | 81.7 | 83.4 | 84.0 | 85.2 | 86.7 | 89.3 | 88.8 | 87.1 | 85.9 | 139.5 | | | | | |
| (C.01327 KG/M3) | 2500 | 74.9 | 77.0 | 78.2 | 79.3 | 82.0 | 82.1 | 83.4 | 85.5 | 85.2 | 83.0 | 89.6 | 88.9 | 138.4 | | | | | |
| FREQ. SHIFT | 3150 | 73.6 | 76.2 | 77.2 | 78.4 | 79.6 | 79.8 | 81.0 | 83.2 | 83.2 | 79.1 | 88.2 | 85.9 | 136.3 | | | | | |
| JET 9 | 4000 | 73.4 | 76.5 | 78.6 | 78.5 | 79.7 | 79.1 | 79.9 | 80.7 | 81.1 | 77.2 | 85.7 | 85.5 | 135.7 | | | | | |
| DIAMETER RATIO | 5000 | 74.3 | 78.2 | 79.7 | 79.7 | 79.5 | 79.2 | 79.5 | 80.3 | 80.3 | 76.5 | 84.5 | 83.8 | 135.3 | | | | | |
| DF/DW 8.00 | 6300 | 74.1 | 77.7 | 81.1 | 79.0 | 78.1 | 78.2 | 78.6 | 76.8 | 77.6 | 73.8 | 82.3 | 79.7 | 134.3 | | | | | |
| | 8000 | 75.6 | 78.4 | 83.0 | 80.6 | 79.7 | 79.6 | 79.3 | 75.3 | 77.1 | 73.7 | 81.6 | 78.0 | 133.8 | | | | | |
| | 10000 | 81.8 | 84.8 | 91.1 | 87.3 | 86.1 | 86.4 | 85.6 | 76.7 | 81.4 | 78.2 | 85.1 | 78.6 | 132.5 | | | | | |
| OVERALL CALCULATED | | 96.3 | 97.9 | 99.6 | 99.9 | 101.3 | 102.6 | 104.1 | 106.4 | 108.4 | 111.5 | 114.2 | 115.6 | 115.3 | | | | | |
| PdDB | | 104.1 | 106.4 | 109.2 | 108.4 | 109.8 | 110.5 | 111.7 | 113.0 | 115.0 | 116.2 | 117.9 | 117.5 | 116.4 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 6 | 45.7m(150ft.) ARC | BULL-1.17m ² (1812in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 17.1

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|----------------------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.61) | (2.79) | |
| | | 50 | 53.9 | 58.2 | 61.3 | 61.6 | 63.3 | 65.6 | 67.1 | 69.6 | 71.3 | 74.3 | 78.9 | 78.6 | |
| | | 63 | 54.1 | 57.5 | 59.6 | 60.8 | 63.1 | 65.6 | 67.4 | 69.1 | 70.8 | 75.0 | 77.7 | 78.6 | |
| SIDELINE 2400. FT.
(731.52 M) | | 80 | 54.9 | 58.5 | 60.4 | 62.1 | 64.4 | 66.2 | 67.9 | 69.9 | 71.4 | 74.3 | 77.2 | 77.8 | |
| NFA (1. RPM | | 100 | 55.8 | 59.2 | 60.8 | 63.3 | 65.4 | 66.9 | 68.6 | 70.3 | 72.6 | 74.5 | 76.9 | 76.5 | |
| (0. RAD/SEC) | | 125 | 57.6 | 60.4 | 62.1 | 63.8 | 65.6 | 67.1 | 68.9 | 71.1 | 72.1 | 74.5 | 76.1 | 72.9 | |
| NFK (1. RPM | | 160 | 56.9 | 59.6 | 62.8 | 63.6 | 65.1 | 66.9 | 68.8 | 71.3 | 72.0 | 74.5 | 74.2 | 72.0 | |
| (0. RAD/SEC) | | 200 | 56.1 | 59.6 | 62.0 | 63.6 | 65.6 | 67.8 | 68.1 | 69.8 | 71.5 | 74.2 | 73.4 | 69.8 | |
| NFD (7500. RPM | | 250 | 56.6 | 58.9 | 61.9 | 62.9 | 65.5 | 66.5 | 68.2 | 70.2 | 70.9 | 73.3 | 71.5 | 66.8 | |
| (785. RAD/SEC) | | 315 | 55.2 | 58.3 | 61.3 | 62.8 | 64.1 | 65.7 | 67.6 | 69.1 | 70.5 | 71.9 | 69.0 | 64.8 | |
| AIRFLOW RATIO | | 400 | 55.2 | 58.2 | 60.5 | 62.3 | 64.4 | 65.4 | 66.9 | 68.8 | 70.0 | 71.0 | 68.1 | 62.7 | |
| WF/WB 8.00 | | 500 | 53.3 | 56.3 | 58.9 | 60.8 | 62.4 | 63.9 | 65.4 | 67.8 | 67.9 | 68.7 | 64.9 | 59.9 | |
| | | 630 | 52.5 | 55.9 | 58.1 | 59.8 | 61.6 | 62.9 | 64.4 | 66.3 | 66.9 | 66.1 | 63.2 | 57.2 | |
| | | 800 | 50.6 | 54.4 | 56.7 | 58.4 | 60.2 | 62.5 | 63.2 | 64.4 | 65.7 | 64.8 | 60.2 | 55.4 | |
| VEHICLE CELL41 | | 1000 | 48.7 | 52.0 | 54.7 | 57.7 | 59.6 | 61.1 | 62.1 | 63.4 | 63.7 | 62.9 | 58.0 | 52.1 | |
| CONFIG NC52 | | 1250 | 45.6 | 50.6 | 52.4 | 55.0 | 58.4 | 58.5 | 59.7 | 61.3 | 61.9 | 59.6 | 54.6 | 49.1 | |
| LOC C41 ANECH CH | | 1600 | 41.2 | 46.9 | 49.3 | 52.4 | 54.7 | 54.0 | 56.6 | 57.7 | 58.5 | 56.3 | 51.2 | 45.0 | |
| DATE 06-07-76 | | 2000 | 37.7 | 43.6 | 46.2 | 49.8 | 52.3 | 53.1 | 54.1 | 54.8 | 56.0 | 53.3 | 48.3 | 41.7 | |
| RUN CONFIREPEATS | | 2500 | 32.8 | 38.8 | 42.4 | 45.1 | 48.7 | 49.1 | 50.1 | 49.3 | 49.5 | 44.8 | 47.5 | 40.7 | |
| TAPE X00060 | | 3150 | 26.1 | 33.5 | 37.5 | 39.6 | 42.9 | 43.4 | 44.3 | 42.4 | 43.5 | 36.4 | 40.6 | 30.4 | |
| FAN TIP SPEED | | 4000 | 17.7 | 27.1 | 33.0 | 35.3 | 37.8 | 37.7 | 38.0 | 37.5 | 35.5 | 27.8 | 30.0 | 19.4 | |
| FT/SEC | | 5000 | 14.0 | 24.9 | 30.7 | 33.3 | 34.6 | 34.8 | 34.6 | 33.9 | 31.2 | 23.2 | 24.2 | 11.4 | |
| | | 6300 | 0.1 | 12.9 | 22.0 | 23.5 | 24.4 | 25.1 | 25.0 | 21.2 | 18.6 | 9.0 | 8.3 | | |
| | | 8000 | | 8.5 | 10.8 | 12.6 | 13.3 | 12.2 | 5.6 | 2.5 | | | | | |
| | | 10000 | | | | 0.2 | 1.6 | | | | | | | | |
| OVERALL CALCULATED | | 66.5 | 69.7 | 72.1 | 73.6 | 75.6 | 77.2 | 78.7 | 80.7 | 82.0 | 84.2 | 85.6 | 84.9 | 81.1 | |
| PNDB | | 68.9 | 72.7 | 75.4 | 77.4 | 79.6 | 80.9 | 82.3 | 83.9 | 85.0 | 85.7 | 84.9 | 81.9 | 75.4 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 1 | 6 | 731.5m(2400ft.) SIDELINE | FULL-1.17m ² (1812in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 17.1

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | ANGLES FROM INLET | (AND RADIANS) | 110. | 120. | 130. | 140. | 150. | 160. | P.L. |
|------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------------------|---------------|--------|--------|--------|--------|--------|--------|-------|
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (O.) |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (O.) |
| NO EGA | 50 | 83.0 | 86.1 | 88.6 | 87.6 | 89.7 | 91.1 | 92.7 | 95.1 | 97.6 | 102.6 | 107.8 | 110.0 | 110.6 | 110.1 | 110.5 | 155.5 |
| RDG. NO. | 63 | 83.6 | 85.6 | 86.6 | 87.9 | 89.3 | 91.9 | 93.3 | 95.7 | 97.9 | 102.7 | 107.7 | 110.6 | 110.1 | 110.1 | 110.1 | 155.6 |
| O. | 80 | 84.5 | 87.0 | 87.2 | 89.0 | 90.6 | 91.9 | 94.1 | 96.3 | 99.0 | 102.3 | 107.0 | 110.0 | 109.5 | 109.5 | 109.5 | 155.2 |
| RADIAL 150. FT. | 100 | 86.0 | 87.8 | 88.3 | 89.8 | 91.2 | 92.8 | 94.4 | 96.8 | 99.5 | 103.1 | 106.8 | 108.2 | 107.3 | 107.3 | 107.3 | 154.3 |
| (46. M) | 125 | 87.8 | 89.1 | 89.6 | 90.4 | 91.7 | 93.4 | 95.0 | 97.1 | 99.4 | 102.9 | 105.6 | 105.1 | 104.1 | 104.1 | 104.1 | 152.9 |
| VEHICLE CELL41 | 160 | 87.4 | 88.7 | 90.2 | 91.3 | 93.4 | 95.1 | 98.0 | 99.7 | 103.0 | 104.2 | 103.7 | 101.4 | 99.6 | 99.6 | 99.6 | 152.2 |
| CONFIG NC52 | 200 | 86.8 | 88.8 | 89.3 | 90.9 | 92.2 | 94.1 | 94.7 | 96.6 | 99.6 | 102.7 | 103.1 | 102.3 | 99.6 | 99.6 | 99.6 | 151.5 |
| LOC C41 ANECH CH | 250 | 87.6 | 88.6 | 89.9 | 90.4 | 92.3 | 93.6 | 95.3 | 97.2 | 98.9 | 101.7 | 101.4 | 100.1 | 97.4 | 97.4 | 97.4 | 150.5 |
| DATE 06-07-76 | 315 | 87.2 | 88.3 | 90.0 | 90.3 | 91.4 | 93.3 | 94.7 | 96.8 | 98.8 | 100.9 | 100.3 | 98.5 | 95.5 | 95.5 | 95.5 | 149.9 |
| RUN CONFIREPEATS | 400 | 87.0 | 89.0 | 89.6 | 90.3 | 92.7 | 93.3 | 94.7 | 96.8 | 98.8 | 100.9 | 99.6 | 97.3 | 95.3 | 95.3 | 95.3 | 149.7 |
| TAPE X00070 | 500 | 85.8 | 87.9 | 88.7 | 89.4 | 91.3 | 92.4 | 94.0 | 96.4 | 97.4 | 99.8 | 97.7 | 96.4 | 93.6 | 93.6 | 93.6 | 148.6 |
| BAR 29.4 HG | 630 | 85.7 | 87.0 | 87.8 | 89.6 | 90.7 | 92.3 | 93.4 | 95.9 | 97.1 | 98.2 | 97.1 | 95.3 | 93.5 | 93.5 | 93.5 | 147.9 |
| (90381. N/M2) | 800 | 84.7 | 86.5 | 87.5 | 88.3 | 90.4 | 91.7 | 93.6 | 95.1 | 96.8 | 97.2 | 96.1 | 94.5 | 96.0 | 96.0 | 96.0 | 147.4 |
| TAMB 84. DEG F | 1000 | 83.7 | 84.8 | 85.6 | 88.1 | 90.7 | 91.3 | 92.9 | 94.3 | 96.3 | 96.7 | 94.9 | 93.8 | 95.3 | 95.3 | 95.3 | 146.8 |
| (302. DEG K) | 1250 | 81.4 | 85.0 | 85.3 | 87.1 | 89.4 | 89.5 | 92.1 | 94.1 | 95.3 | 95.3 | 93.4 | 92.3 | 95.0 | 95.0 | 95.0 | 145.8 |
| TWET 69. DEG F | 1500 | 79.7 | 82.7 | 83.6 | 86.3 | 87.6 | 88.5 | 90.5 | 91.3 | 93.1 | 92.8 | 91.5 | 90.5 | 94.5 | 94.5 | 94.5 | 144.1 |
| (294. DEG K) | 2000 | 78.5 | 81.3 | 82.3 | 84.4 | 87.0 | 87.5 | 89.5 | 90.9 | 93.0 | 91.5 | 90.6 | 89.4 | 94.5 | 94.5 | 94.5 | 143.6 |
| HAC113.18 GM/M3 | 2500 | 76.7 | 78.8 | 80.4 | 82.1 | 85.3 | 85.6 | 88.2 | 87.3 | 89.7 | 86.8 | 85.1 | 84.5 | 95.2 | 95.2 | 95.2 | 141.0 |
| (.01318 KG/M3) | 3150 | 74.9 | 78.5 | 78.9 | 80.4 | 82.1 | 85.3 | 85.6 | 88.2 | 87.3 | 89.7 | 86.8 | 85.1 | 84.5 | 95.2 | 95.2 | 138.9 |
| FREQ. SHIFT | 4000 | 75.9 | 81.8 | 83.6 | 84.7 | 85.7 | 85.9 | 88.4 | 87.9 | 87.0 | 82.5 | 81.2 | 80.5 | 91.4 | 91.4 | 91.4 | 140.6 |
| JET 9 | 5000 | 76.0 | 82.0 | 84.5 | 84.7 | 85.0 | 85.5 | 88.5 | 88.0 | 87.0 | 82.3 | 79.5 | 78.8 | 90.5 | 90.5 | 90.5 | 140.6 |
| DIAMETER RATIO</ | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 7 | 45.7m(150ft.) ARC | FULL-1.17m ² (1812in ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.43) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| | | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | | | | | | | | | | | | | | |
| 50 | 80 | 56.9 | 59.4 | 62.5 | 62.8 | 65.3 | 66.8 | 68.3 | 70.3 | 72.0 | 76.0 | 79.7 | 79.6 | 76.7 |
| 63 | 100 | 55.4 | 59.0 | 61.1 | 63.1 | 64.9 | 67.6 | 68.9 | 70.8 | 72.3 | 76.0 | 79.4 | 80.1 | 76.1 |
| SIDELINE 2400. FT. (731.52 M) | | | | | | | | | | | | | | |
| 80 | 100 | 56.1 | 60.3 | 61.6 | 64.1 | 66.2 | 67.4 | 69.7 | 71.4 | 73.4 | 75.6 | 78.4 | 79.3 | 75.3 |
| 125 | 50 | 57.6 | 60.9 | 62.6 | 64.8 | 66.6 | 68.4 | 69.9 | 71.8 | 73.8 | 76.3 | 78.4 | 77.5 | 72.9 |
| NFA (1. RPM | 125 | 59.3 | 62.2 | 63.8 | 65.3 | 67.1 | 68.9 | 70.4 | 72.1 | 73.6 | 76.0 | 77.1 | 74.1 | 69.5 |
| NFK (0. RAD/SEC | 160 | 58.7 | 61.6 | 64.3 | 65.1 | 66.6 | 68.9 | 70.3 | 72.8 | 73.8 | 76.0 | 75.5 | 72.5 | 66.5 |
| 200 | 57.8 | 61.6 | 63.2 | 65.6 | 67.3 | 69.3 | 69.8 | 71.3 | 73.5 | 75.4 | 74.2 | 70.8 | 64.2 | 64.2 |
| NFD (0. RAD/SEC | 250 | 58.4 | 61.2 | 63.6 | 64.9 | 67.2 | 68.7 | 70.2 | 71.7 | 72.6 | 74.3 | 72.2 | 68.3 | 61.5 |
| 315 | 57.7 | 60.5 | 63.5 | 64.6 | 66.1 | 68.2 | 69.4 | 71.3 | 72.8 | 73.1 | 70.8 | 66.3 | 59.0 | 57.9 |
| (785. RAD/SEC | 400 | 57.0 | 60.9 | 62.7 | 64.3 | 67.1 | 67.9 | 69.1 | 70.8 | 72.0 | 72.8 | 69.6 | 64.5 | 57.9 |
| AIRFLOW RATIO | 500 | 55.3 | 59.3 | 61.4 | 63.1 | 65.4 | 66.7 | 68.2 | 70.1 | 72.0 | 71.2 | 67.2 | 62.9 | 55.3 |
| WF/WM 3.00 | 630 | 54.5 | 57.9 | 60.1 | 62.8 | 64.4 | 66.2 | 67.1 | 69.0 | 69.4 | 69.1 | 65.9 | 60.9 | 53.9 |
| VEHICLE | 800 | 52.6 | 56.6 | 59.2 | 60.9 | 63.5 | 65.0 | 66.7 | 67.6 | 68.4 | 67.3 | 64.0 | 58.9 | 54.6 |
| CELL41 | 1000 | 50.5 | 54.0 | 56.4 | 59.9 | 63.1 | 63.9 | 65.3 | 66.2 | 67.2 | 65.9 | 61.7 | 56.8 | 51.8 |
| CONFIG | 1250 | 46.8 | 53.1 | 55.2 | 58.0 | 60.9 | 61.3 | 63.3 | 65.0 | 65.2 | 63.4 | 58.9 | 53.6 | 48.9 |
| LOC C41 ANECH CH | 1600 | 43.2 | 49.2 | 52.0 | 56.0 | 57.9 | 59.0 | 60.8 | 61.5 | 61.5 | 59.3 | 55.0 | 49.3 | 44.7 |
| DATE 06-07-76 | 2000 | 39.7 | 45.8 | 49.0 | 52.5 | 55.8 | 56.6 | 58.3 | 59.0 | 59.7 | 56.1 | 51.8 | 45.2 | 40.3 |
| RUN CONFIREPEATS | 2500 | 34.5 | 40.5 | 44.7 | 47.9 | 52.0 | 52.6 | 54.9 | 53.1 | 54.0 | 48.5 | 43.0 | 36.0 | 34.5 |
| TAPE X00070 | 3150 | 27.3 | 35.7 | 39.2 | 42.4 | 46.2 | 46.5 | 49.8 | 46.6 | 48.0 | 40.9 | 35.9 | 25.4 | 21.2 |
| FAN TIP SPEED | 4000 | 20.3 | 32.4 | 38.0 | 41.5 | 43.8 | 44.4 | 46.5 | 44.7 | 41.5 | 33.1 | 25.6 | 14.5 | 5.0 |
| FT/SEC | 5000 | 15.7 | 28.7 | 35.5 | 38.4 | 40.1 | 41.1 | 43.6 | 41.7 | 38.0 | 29.0 | 19.2 | 6.7 | |
| | 6300 | 0.6 | 14.4 | 23.6 | 26.0 | 27.0 | 27.6 | 33.3 | 26.5 | 23.4 | 15.1 | 4.1 | | |
| | 8000 | | | 9.8 | 12.6 | 14.7 | 14.6 | 21.5 | 10.9 | 6.4 | | | | |
| | 10000 | | | | | 1.0 | 2.7 | 9.7 | | | | | | |
| OVERALL CALCULATED | | 68.2 | 71.7 | 73.8 | 75.6 | 77.6 | 79.3 | 80.7 | 82.4 | 83.8 | 85.7 | 86.9 | 86.1 | 82.1 |
| PNDB | | 70.7 | 75.2 | 77.7 | 79.8 | 82.4 | 83.6 | 85.2 | 86.5 | 87.4 | 87.8 | 86.2 | 83.5 | 77.7 |

| PROC. DATE - MONTH 8 DAY 25 HR. 17.0 | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FULL SCALE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
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| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 157.2 157.0 157.0 157.2 157.8 157.5 156.3 155.9 154.0 131.8 151.4 150.8 149.1 149.6 155.5 170.5 | | | | | | | | | | | | | | | | |
| 159.3 159.2 158.7 158.6 157.5 157.3 157.3 15 | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 8 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-1.17m²(1812in²)

PROC. DATE - MONTH 8 DAY 25 HR. 17.0
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIANSES) | | | | | | | | | | 160. | PWL |
|--------------------|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| | | | | | | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | | |
| 50 | 92.3 | 94.1 | 95.3 | 95.8 | 97.4 | 99.1 | 100.2 | 102.8 | 106.3 | 112.6 | 117.8 | 119.0 | 118.1 | 164.5 | 164.8 | | |
| 63 | 93.1 | 94.1 | 95.6 | 96.2 | 98.0 | 99.9 | 101.3 | 103.9 | 107.6 | 114.0 | 117.9 | 119.1 | 118.1 | 164.4 | 164.4 | | |
| 80 | 94.2 | 96.2 | 96.5 | 97.3 | 99.6 | 101.0 | 102.9 | 105.3 | 108.7 | 114.3 | 117.0 | 118.0 | 117.7 | 164.4 | 164.4 | | |
| 100 | 95.7 | 97.3 | 97.8 | 98.8 | 100.4 | 102.0 | 103.9 | 106.3 | 110.3 | 115.3 | 116.3 | 117.5 | 117.0 | 164.4 | 164.4 | | |
| 125 | 97.1 | 98.6 | 99.1 | 99.9 | 101.5 | 103.6 | 104.5 | 107.1 | 110.6 | 115.2 | 115.4 | 115.6 | 115.9 | 164.1 | 164.1 | | |
| 160 | 96.9 | 98.7 | 100.7 | 100.2 | 101.6 | 103.7 | 105.1 | 108.7 | 112.2 | 115.3 | 115.0 | 115.2 | 115.9 | 164.7 | 164.7 | | |
| 200 | 97.3 | 99.6 | 100.1 | 101.1 | 102.7 | 104.8 | 105.5 | 108.4 | 112.8 | 115.4 | 115.9 | 117.3 | 116.8 | 165.3 | 165.3 | | |
| 250 | 98.3 | 99.9 | 100.9 | 101.2 | 103.3 | 104.4 | 106.8 | 109.9 | 113.6 | 116.2 | 117.4 | 117.4 | 117.1 | 166.1 | 166.1 | | |
| 315 | 98.2 | 100.3 | 101.8 | 102.1 | 103.4 | 105.0 | 107.4 | 110.3 | 114.0 | 116.1 | 116.8 | 119.2 | 118.3 | 167.1 | 167.1 | | |
| 400 | 99.7 | 101.8 | 102.6 | 102.8 | 104.4 | 105.5 | 107.9 | 111.9 | 114.8 | 116.9 | 119.1 | 120.0 | 118.3 | 166.9 | 166.9 | | |
| 500 | 100.1 | 102.4 | 102.7 | 103.2 | 104.0 | 105.6 | 107.5 | 111.9 | 114.4 | 117.3 | 119.2 | 119.6 | 115.1 | 166.9 | 166.9 | | |
| 630 | 105.0 | 107.5 | 106.3 | 104.6 | 104.9 | 106.5 | 108.4 | 112.1 | 114.3 | 116.9 | 119.4 | 118.0 | 115.3 | 166.9 | 166.9 | | |
| 800 | 107.7 | 112.0 | 110.8 | 107.8 | 106.6 | 107.7 | 108.9 | 112.1 | 114.3 | 117.2 | 118.3 | 117.2 | 114.2 | 166.9 | 166.9 | | |
| 1000 | 104.7 | 109.0 | 111.3 | 112.3 | 109.6 | 108.5 | 109.4 | 112.6 | 114.1 | 117.0 | 117.4 | 116.3 | 113.5 | 166.9 | 166.9 | | |
| 1250 | 100.9 | 106.0 | 108.1 | 111.3 | 113.9 | 109.7 | 109.1 | 112.3 | 113.3 | 116.0 | 115.9 | 115.0 | 112.5 | 164.7 | 164.7 | | |
| 1600 | 99.9 | 104.7 | 105.6 | 107.3 | 110.4 | 110.7 | 109.5 | 110.6 | 111.8 | 114.1 | 114.4 | 113.0 | 111.0 | 163.7 | 163.7 | | |
| 2000 | 99.0 | 103.3 | 105.0 | 106.4 | 108.2 | 108.8 | 110.0 | 110.2 | 111.5 | 112.3 | 113.4 | 111.9 | 110.3 | 161.7 | 161.7 | | |
| 2500 | 96.7 | 100.5 | 102.2 | 104.8 | 107.8 | 108.6 | 108.0 | 109.4 | 110.0 | 109.3 | 108.5 | 108.4 | 105.7 | 160.3 | 160.3 | | |
| 3150 | 94.8 | 99.2 | 100.4 | 102.9 | 105.6 | 105.1 | 105.3 | 107.1 | 107.8 | 107.2 | 107.6 | 106.2 | 104.9 | 160.2 | 160.2 | | |
| 4000 | 93.6 | 98.2 | 100.8 | 103.4 | 105.9 | 105.1 | 105.3 | 107.1 | 107.8 | 107.2 | 107.6 | 106.2 | 104.9 | 160.0 | 160.0 | | |
| 5000 | 91.7 | 96.7 | 100.2 | 103.6 | 103.9 | 104.4 | 104.4 | 106.4 | 106.7 | 107.9 | 108.7 | 105.9 | 105.7 | 159.5 | 159.5 | | |
| 6300 | 89.5 | 94.9 | 98.3 | 102.7 | 101.7 | 102.1 | 102.5 | 104.4 | 105.3 | 107.5 | 109.2 | 105.1 | 104.1 | 161.1 | 161.1 | | |
| 8000 | 89.3 | 94.3 | 99.9 | 102.9 | 102.1 | 102.8 | 102.9 | 104.2 | 105.7 | 108.5 | 110.7 | 104.7 | 104.3 | 167.4 | 167.4 | | |
| 10000 | 93.4 | 97.9 | 104.9 | 108.6 | 106.9 | 108.0 | 107.1 | 107.3 | 109.2 | 113.5 | 116.9 | 108.0 | 109.5 | 178.6 | 178.6 | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | |
| PNDB | 123.1 | 127.0 | 128.4 | 130.0 | 131.7 | 131.6 | 132.7 | 133.9 | 135.8 | 137.6 | 138.8 | 137.7 | 136.4 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 9 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-1.17m²(1812in²)

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 1 | 9 | 731.5m(2400ft.) | FULL-1.17m ² (1812in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 17.4
F. 70 PERCENT REL. HUM. DAY - JENOTS)

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| NO EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|
| RDG. NO. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
| RADIAL (12. M) | 84.9 | 94.7 | 92.7 | 94.0 | 95.5 | 95.4 | 95.8 | 97.0 | 97.4 | 99.2 | 102.9 | 102.6 | 105.4 | 143.4 | | | | | |
| VEHICLE CELL41 | 84.3 | 89.4 | 89.9 | 91.9 | 94.0 | 95.4 | 96.5 | 97.7 | 96.1 | 95.9 | 103.9 | 105.8 | 106.9 | 141.0 | | | | | |
| CONFIG NC52 | 83.4 | 86.7 | 80.9 | 90.5 | 91.3 | 91.9 | 91.8 | 94.2 | 95.4 | 100.7 | 105.9 | 106.6 | 108.9 | 142.0 | | | | | |
| LOC C41 ANECH CH | 86.3 | 87.5 | 88.5 | 89.8 | 90.9 | 93.0 | 94.2 | 96.3 | 99.3 | 104.1 | 107.8 | 112.3 | 113.3 | 145.8 | | | | | |
| DATE C6-07-76 | 85.1 | 88.3 | 90.6 | 90.9 | 92.5 | 93.8 | 95.7 | 98.1 | 103.8 | 105.7 | 111.9 | 114.0 | 115.1 | 148.1 | | | | | |
| RUN CONFIREPEATS | 87.2 | 91.4 | 90.2 | 92.2 | 94.6 | 95.9 | 97.1 | 99.7 | 102.9 | 109.0 | 114.5 | 116.9 | 116.4 | 150.4 | | | | | |
| TAPE X00100 | 89.7 | 91.2 | 93.2 | 93.0 | 94.6 | 96.2 | 97.3 | 100.8 | 105.2 | 112.0 | 116.7 | 118.2 | 116.5 | 152.9 | | | | | |
| BAR 29.4 MG | 90.8 | 91.8 | 93.3 | 93.8 | 95.4 | 97.3 | 98.7 | 101.8 | 106.3 | 114.1 | 118.1 | 119.0 | 117.0 | 153.1 | | | | | |
| (99381. N/M2) | 92.1 | 93.6 | 94.1 | 95.4 | 96.3 | 98.4 | 100.5 | 103.7 | 108.1 | 114.2 | 118.7 | 119.6 | 118.1 | 153.8 | | | | | |
| TAMB 86. DEG F | 94.1 | 94.7 | 95.4 | 96.5 | 97.5 | 99.9 | 102.0 | 105.0 | 109.7 | 115.2 | 119.4 | 120.6 | 119.2 | 154.8 | | | | | |
| (303. DEG K) | 96.7 | 97.7 | 98.5 | 98.0 | 99.5 | 100.7 | 102.1 | 105.8 | 109.8 | 114.6 | 119.3 | 121.0 | 119.2 | 154.8 | | | | | |
| TWET 70. DEG F | 96.0 | 98.6 | 99.8 | 99.6 | 100.7 | 102.6 | 104.0 | 106.9 | 111.1 | 114.7 | 119.9 | 122.0 | 119.1 | 155.5 | | | | | |
| (294. DEG K) | 96.2 | 97.7 | 98.2 | 98.7 | 100.8 | 102.4 | 103.6 | 107.0 | 111.2 | 114.3 | 120.0 | 121.4 | 118.2 | 155.2 | | | | | |
| HACT13.99 GM/M3 | 97.9 | 98.2 | 99.5 | 99.5 | 101.4 | 102.0 | 104.9 | 108.0 | 112.5 | 114.8 | 120.3 | 120.0 | 115.7 | 154.0 | | | | | |
| (.01399 KG/M3) | 101.1 | 99.8 | 99.9 | 100.4 | 101.7 | 102.1 | 105.2 | 108.4 | 112.4 | 114.7 | 119.4 | 118.1 | 113.6 | 154.0 | | | | | |
| FREQ. SIFT | 103.3 | 103.6 | 103.1 | 102.4 | 102.5 | 103.3 | 105.5 | 109.4 | 113.1 | 116.4 | 119.1 | 116.8 | 112.8 | 154.3 | | | | | |
| JET | 102.5 | 103.6 | 104.9 | 103.2 | 103.0 | 102.9 | 105.5 | 109.7 | 112.4 | 116.5 | 116.4 | 115.6 | 110.1 | 153.3 | | | | | |
| DIAMETER RATIO | 100.9 | 102.5 | 104.0 | 103.3 | 104.6 | 104.7 | 106.1 | 109.8 | 112.3 | 115.6 | 115.8 | 114.0 | 109.2 | 152.9 | | | | | |
| DF/DM 1.000 | 100.5 | 102.1 | 102.6 | 103.9 | 105.7 | 106.8 | 107.0 | 109.1 | 112.4 | 115.2 | 115.7 | 113.8 | 110.3 | 152.9 | | | | | |
| | 99.8 | 101.1 | 101.7 | 103.2 | 105.5 | 106.9 | 107.8 | 109.0 | 112.0 | 114.4 | 114.8 | 112.9 | 109.1 | 152.5 | | | | | |
| | 98.0 | 101.3 | 101.7 | 103.4 | 105.5 | 106.3 | 106.5 | 108.4 | 110.9 | 112.6 | 113.3 | 111.6 | 108.3 | 151.7 | | | | | |
| | 95.9 | 99.4 | 99.8 | 101.5 | 103.8 | 104.4 | 105.2 | 106.5 | 108.6 | 110.3 | 111.6 | 109.5 | 107.4 | 150.3 | | | | | |
| | 94.2 | 97.3 | 98.5 | 100.4 | 102.4 | 102.5 | 104.0 | 105.2 | 107.5 | 108.3 | 109.9 | 108.4 | 106.8 | 149.6 | | | | | |
| | 91.5 | 93.6 | 95.3 | 97.4 | 100.9 | 99.9 | 101.5 | 102.1 | 104.3 | 105.1 | 104.9 | 102.3 | 108.7 | 147.6 | | | | | |
| | 88.7 | 91.5 | 92.2 | 94.0 | 96.7 | 96.6 | 98.1 | 98.4 | 102.2 | 102.1 | 103.9 | 98.5 | 105.5 | 146.3 | | | | | |
| | 85.8 | 89.7 | 91.0 | 92.6 | 94.2 | 94.6 | 95.3 | 98.1 | 99.5 | 99.9 | 101.1 | 97.9 | 103.3 | 146.4 | | | | | |
| | 81.9 | 85.6 | 88.1 | 90.0 | 90.8 | 90.6 | 91.1 | 94.3 | 96.1 | 98.6 | 98.8 | 94.6 | 99.9 | 146.6 | | | | | |
| | 76.8 | 80.8 | 84.7 | 84.9 | 84.7 | 85.5 | 85.5 | 89.1 | 91.7 | 94.6 | 96.9 | 90.3 | 95.0 | 146.9 | | | | | |
| | 72.6 | 76.1 | 80.7 | 80.5 | 79.2 | 80.1 | 80.7 | 84.7 | 87.2 | 91.5 | 93.2 | 84.0 | 90.1 | 149.1 | | | | | |
| | 69.2 | 73.1 | 79.1 | 76.8 | 75.6 | 76.7 | 76.4 | 80.0 | 85.1 | 90.2 | 92.1 | 77.2 | 87.7 | 156.6 | | | | | |
| OVERALL MEASURED | 111.1 | 112.5 | 113.2 | 113.8 | 115.2 | 115.9 | 117.3 | 120.0 | 123.4 | 126.9 | 130.4 | 130.9 | 128.7 | 166.9 | | | | | |
| OVERALL CALCULATED | 124.6 | 125.6 | 126.5 | 126.5 | 127.0 | 128.0 | 129.3 | 132.7 | 135.1 | 139.7 | 142.7 | 142.0 | 138.9 | | | | | | |

ANCHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT ACOUSTIC RANGE SIZE
1 10 12.2m(40ft.) ARC MODEL-183cm²(28.3in²)

| REQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|-------|
| NO. 50 | 96.3 | 97.8 | 99.8 | 99.6 | 101.2 | 102.8 | 103.9 | 107.3 | 111.8 | 118.6 | 123.3 | 124.8 | 123.1 | 170.0 | | | 170.0 |
| 63 | 97.4 | 98.4 | 99.9 | 100.4 | 102.0 | 103.9 | 105.3 | 108.4 | 112.9 | 120.7 | 124.7 | 125.6 | 123.6 | 171.2 | | | 171.2 |
| 80 | 98.7 | 100.2 | 100.7 | 102.0 | 102.9 | 105.0 | 107.1 | 110.3 | 114.7 | 120.8 | 125.3 | 126.2 | 124.7 | 171.9 | | | 171.9 |
| 100 | 100.7 | 101.3 | 102.0 | 103.1 | 104.2 | 106.5 | 108.7 | 111.6 | 116.3 | 121.8 | 126.1 | 127.2 | 125.8 | 172.9 | | | 172.9 |
| 125 | 103.3 | 104.4 | 105.1 | 106.6 | 106.2 | 107.4 | 108.7 | 111.4 | 116.4 | 121.2 | 125.9 | 127.6 | 125.9 | 172.9 | | | 172.9 |
| 160 | 102.7 | 105.2 | 106.5 | 106.2 | 107.3 | 109.2 | 110.6 | 113.5 | 117.7 | 121.3 | 126.5 | 128.7 | 125.7 | 173.6 | | | 173.6 |
| 200 | 102.8 | 104.3 | 104.8 | 105.4 | 107.5 | 109.1 | 110.2 | 113.6 | 117.8 | 120.9 | 126.6 | 128.0 | 124.8 | 173.3 | | | 173.3 |
| 250 | 104.6 | 104.9 | 106.2 | 106.2 | 108.0 | 108.6 | 111.5 | 114.7 | 119.2 | 121.5 | 126.9 | 126.6 | 122.4 | 173.0 | | | 173.0 |
| 315 | 107.7 | 106.5 | 106.5 | 107.1 | 108.4 | 108.8 | 111.9 | 115.1 | 119.0 | 121.4 | 126.1 | 124.7 | 120.3 | 172.1 | | | 172.1 |
| 400 | 110.0 | 110.3 | 109.8 | 109.1 | 109.2 | 110.0 | 112.2 | 116.1 | 119.8 | 123.2 | 125.9 | 123.5 | 119.5 | 172.3 | | | 172.3 |
| 500 | 109.3 | 110.4 | 111.7 | 109.9 | 109.8 | 109.6 | 112.3 | 116.4 | 119.2 | 123.3 | 123.2 | 122.4 | 116.9 | 171.4 | | | 171.4 |
| 630 | 107.7 | 109.3 | 110.8 | 112.1 | 111.4 | 111.5 | 112.9 | 116.6 | 119.1 | 122.4 | 122.6 | 120.7 | 117.2 | 171.0 | | | 171.0 |
| 800 | 107.4 | 109.0 | 109.5 | 110.8 | 112.6 | 113.7 | 113.9 | 116.1 | 119.3 | 122.2 | 122.6 | 120.7 | 115.7 | 170.6 | | | 170.6 |
| 1000 | 106.9 | 108.3 | 108.8 | 110.3 | 112.6 | 114.0 | 114.9 | 116.1 | 119.1 | 121.5 | 121.9 | 120.0 | 116.3 | 169.7 | | | 169.7 |
| 1250 | 105.4 | 108.7 | 109.1 | 110.8 | 112.9 | 112.7 | 113.9 | 115.8 | 118.3 | 120.0 | 119.4 | 117.2 | 115.2 | 168.3 | | | 168.3 |
| 1600 | 103.7 | 107.2 | 107.6 | 109.3 | 111.6 | 112.2 | 113.0 | 114.3 | 116.3 | 118.0 | 119.4 | 117.2 | 115.2 | 167.7 | | | 167.7 |
| 2000 | 102.7 | 105.8 | 107.0 | 108.9 | 110.9 | 111.0 | 112.5 | 113.6 | 116.0 | 116.7 | 118.3 | 116.8 | 115.3 | 165.7 | | | 165.7 |
| 2500 | 100.9 | 103.0 | 104.6 | 106.7 | 110.2 | 109.3 | 110.8 | 111.5 | 113.6 | 114.5 | 114.3 | 111.7 | 118.1 | 164.4 | | | 164.4 |
| 3150 | 99.3 | 102.1 | 102.8 | 104.6 | 107.3 | 107.3 | 108.7 | 109.1 | 112.8 | 112.8 | 114.6 | 109.1 | 116.1 | 164.4 | | | 164.4 |
| 4000 | 98.3 | 102.2 | 103.4 | 105.1 | 107.3 | 107.3 | 107.8 | 108.5 | 111.9 | 112.3 | 113.5 | 110.4 | 115.8 | 164.7 | | | 164.7 |
| 5000 | 97.4 | 101.1 | 103.5 | 105.5 | 106.3 | 106.1 | 106.5 | 109.8 | 111.6 | 114.0 | 114.3 | 110.1 | 115.3 | 165.0 | | | 165.0 |
| 6300 | 95.9 | 100.0 | 103.9 | 104.1 | 103.9 | 104.7 | 104.7 | 108.3 | 110.9 | 113.8 | 116.1 | 109.5 | 114.2 | 167.2 | | | 167.2 |
| 8000 | 97.2 | 100.6 | 105.2 | 105.0 | 103.7 | 104.6 | 105.3 | 109.3 | 111.8 | 116.1 | 117.8 | 108.5 | 114.6 | 174.6 | | | 174.6 |
| 10000 | 101.8 | 105.7 | 111.7 | 109.4 | 108.2 | 109.3 | 109.0 | 112.7 | 117.8 | 122.8 | 124.7 | 109.8 | 120.4 | 184.7 | | | 184.7 |
| OVERALL CALCULATED | 116.2 | 119.7 | 121.0 | 121.5 | 122.7 | 123.4 | 124.7 | 127.3 | 130.7 | 134.1 | 137.3 | 137.2 | 135.0 | | | | |
| PND8 | 127.6 | 130.0 | 131.4 | 132.5 | 134.4 | 134.5 | 135.8 | 137.8 | 140.7 | 143.2 | 145.4 | 143.1 | 143.8 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 10 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-1.17m²(1812in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | 53.1 | 71.2 | 74.3 | 74.8 | 76.8 | 78.6 | 79.6 | 82.6 | 86.3 | 92.0 | 95.2 | 94.3 | 89.2 |
| SIDELINE 2400. FT. | 63 | 69.1 | 71.7 | 74.3 | 75.6 | 77.6 | 79.6 | 80.9 | 83.6 | 87.3 | 94.0 | 96.4 | 95.1 |
| (731.52 M) | 80 | 70.4 | 73.5 | 75.1 | 77.1 | 78.4 | 80.7 | 82.7 | 85.4 | 89.1 | 94.1 | 96.9 | 95.6 |
| NFA | 100 | 72.3 | 74.4 | 76.3 | 78.1 | 79.6 | 82.1 | 84.1 | 86.6 | 90.6 | 95.0 | 97.6 | 96.5 |
| (1. RPM | 125 | 74.8 | 77.4 | 79.3 | 79.6 | 81.6 | 82.9 | 84.1 | 87.3 | 90.6 | 94.3 | 97.3 | 96.6 |
| (0. RAD/SEC) | 160 | 73.9 | 78.1 | 80.5 | 81.1 | 82.6 | 84.6 | 85.8 | 88.3 | 91.8 | 94.2 | 97.7 | 97.5 |
| NFK | 200 | 73.8 | 77.1 | 78.8 | 80.1 | 82.6 | 84.3 | 85.3 | 88.3 | 91.8 | 93.7 | 97.7 | 96.6 |
| (0. RAD/SEC) | 250 | 75.4 | 77.4 | 79.9 | 80.7 | 83.0 | 83.7 | 86.5 | 89.2 | 92.9 | 94.0 | 97.7 | 94.8 |
| NFD | 315 | 78.2 | 78.8 | 80.0 | 81.4 | 83.2 | 83.7 | 86.7 | 89.4 | 92.5 | 93.6 | 96.5 | 92.5 |
| (7500. RPM | 400 | 80.0 | 82.2 | 83.0 | 83.1 | 83.6 | 84.7 | 86.6 | 90.1 | 93.0 | 95.0 | 95.9 | 90.7 |
| (785. RAD/SEC) | 500 | 78.8 | 81.8 | 84.4 | 83.6 | 83.9 | 83.9 | 86.4 | 90.1 | 91.9 | 94.7 | 92.7 | 88.9 |
| AIRFLOW RATIO | 630 | 76.5 | 80.2 | 83.1 | 85.3 | 85.1 | 85.4 | 86.6 | 89.8 | 91.4 | 93.3 | 91.4 | 86.4 |
| WF/WM 8.00 | 800 | 75.3 | 79.1 | 81.2 | 83.4 | 85.7 | 87.0 | 88.6 | 90.9 | 92.3 | 90.5 | 85.2 | 75.8 |
| VEHICLE | 1000 | 73.7 | 77.5 | 79.6 | 82.2 | 85.1 | 86.6 | 87.3 | 87.9 | 89.9 | 90.7 | 88.7 | 83.1 |
| CELL41 | 1250 | 70.8 | 76.8 | 78.9 | 81.7 | 84.4 | 84.5 | 85.4 | 86.7 | 88.2 | 88.1 | 86.1 | 80.3 |
| CONFIG NC52 | 1600 | 67.2 | 73.7 | 76.0 | 78.9 | 81.9 | 82.7 | 83.3 | 83.9 | 84.7 | 84.5 | 82.9 | 76.0 |
| LOC C41 ANECH CH | 2000 | 63.9 | 70.3 | 73.7 | 77.0 | 79.8 | 80.1 | 81.3 | 81.7 | 82.7 | 81.3 | 79.5 | 72.6 |
| DATE 06-07-76 | 2500 | 58.7 | 64.7 | 68.9 | 72.6 | 76.9 | 76.3 | 77.5 | 77.3 | 77.9 | 76.2 | 72.2 | 63.1 |
| RUN CONFIREPEATS | 3150 | 51.7 | 59.4 | 63.1 | 66.8 | 70.6 | 70.9 | 72.0 | 71.3 | 73.1 | 70.0 | 67.0 | 53.5 |
| TAPE X00100 | 4000 | 42.6 | 52.7 | 57.8 | 61.9 | 65.4 | 65.5 | 65.9 | 67.3 | 66.3 | 62.9 | 57.9 | 44.3 |
| FAN TIP SPEED | 5000 | 37.1 | 47.7 | 54.5 | 59.2 | 61.4 | 61.7 | 61.7 | 63.5 | 62.6 | 60.7 | 54.0 | 38.0 |
| FT/SEC | 6300 | 21.9 | 35.2 | 44.8 | 48.5 | 50.2 | 51.6 | 51.0 | 52.7 | 51.8 | 49.0 | 42.0 | 19.5 |
| | 8000 | 2.0 | 18.3 | 30.7 | 35.3 | 36.6 | 38.3 | 38.1 | 39.6 | 37.2 | 33.7 | 22.6 | |
| | 10000 | | 15.7 | 20.0 | 22.3 | 24.6 | 23.1 | 23.2 | 21.7 | 16.0 | 0.2 | | |
| OVERALL CALCULATED | 87.2 | 90.1 | 92.2 | 93.4 | 95.1 | 96.2 | 97.6 | 100.0 | 102.8 | 105.4 | 107.5 | 105.6 | 99.4 |
| PN08 | 92.8 | 96.3 | 98.8 | 100.4 | 102.7 | 103.5 | 104.6 | 106.3 | 108.7 | 110.3 | 110.8 | 107.6 | 99.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 10 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-1.17m²(1812in²)

| RDG. NO. | NO EGA | RADIOAL (12. M) | VEHICLE | CONFIG | LOC | DATE | TIME | RUN | TAPE | BAR | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PUL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|--------|------------------|---------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|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| | | | | | | | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | | 140. | 150. | 160. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.31) | (3.49) | (3.66) | (3.84) | (4.01) | (4.19) | (4.36) | (4.54) | (4.71) | (4.89) | (5.06) | (5.24) | (5.41) | (5.59) | (5.76) | (5.94) | (6.11) | (6.29) | (6.46) | (6.64) | (6.81) | (6.99) | (7.16) | (7.34) | (7.51) | (7.69) | (7.86) | (8.04) | (8.21) | (8.39) | (8.56) | (8.74) | (8.91) | (9.09) | (9.26) | (9.44) | (9.61) | (9.79) | (9.96) | (10.14) | (10.31) | (10.49) | (10.66) | (10.84) | (11.01) | (11.19) | (11.36) | (11.54) | (11.71) | (11.89) | (12.06) | (12.24) | (12.41) | (12.59) | (12.76) | (12.94) | (13.11) | (13.29) | (13.46) | (13.64) | (13.81) | (13.99) | (14.16) | (14.34) | (14.51) | (14.69) | (14.86) | (15.04) | (15.21) | (15.39) | (15.56) | (15.74) | (15.91) | (16.09) | (16.26) | (16.44) | (16.61) | (16.79) | (16.96) | (17.14) | (17.31) | (17.49) | (17.66) | (17.84) | (18.01) | (18.19) | (18.36) | (18.54) | (18.71) | (18.89) | (19.06) | (19.24) | (19.41) | (19.59) | (19.76) | (19.94) | (20.11) | (20.29) | (20.46) | (20.64) | (20.81) | (20.99) | (21.16) | (21.34) | (21.51) | (21.69) | (21.86) | (22.04) | (22.21) | (22.39) | (22.56) | (22.74) | (22.91) | (23.09) | (23.26) | (23.44) | (23.61) | (23.79) | (23.96) | (24.14) | (24.31) | (24.49) | (24.66) | (24.84) | (25.01) | (25.19) | (25.36) | (25.54) | (25.71) | (25.89) | (26.06) | (26.24) | (26.41) | (26.59) | (26.76) | (26.94) | (27.11) | (27.29) | (27.46) | (27.64) | (27.81) | (27.99) | (28.16) | (28.34) | (28.51) | (28.69) | (28.86) | (29.04) | (29.21) | (29.39) | (29.56) | (29.74) | (29.91) | (30.09) | (30.26) | (30.44) | (30.61) | (30.79) | (30.96) | (31.14) | (31.31) | (31.49) | (31.66) | (31.84) | (32.01) | (32.19) | (32.36) | (32.54) | (32.71) | (32.89) | (33.06) | (33.24) | (33.41) | (33.59) | (33.76) | (33.94) | (34.11) | (34.29) | (34.46) | (34.64) | (34.81) | (34.99) | (35.16) | (35.34) | (35.51) | (35.69) | (35.86) | (36.04) | (36.21) | (36.39) | (36.56) | (36.74) | (36.91) | (37.09) | (37.26) | (37.44) | (37.61) | (37.79) | (37.96) | (38.14) | (38.31) | (38.49) | (38.66) | (38.84) | (39.01) | (39.19) | (39.36) | (39.54) | (39.71) | (39.89) | (40.06) | (40.24) | (40.41) | (40.59) | (40.76) | (40.94) | (41.11) | (41.29) | (41.46) | (41.64) | (41.81) | (41.99) | (42.16) | (42.34) | (42.51) | (42.69) | (42.86) | (43.04) | (43.21) | (43.39) | (43.56) | (43.74) | (43.91) | (44.09) | (44.26) | (44.44) | (44.61) | (44.79) | (44.96) | (45.14) | (45.31) | (45.49) | (45.66) | (45.84) | (46.01) | (46.19) | (46.36) | (46.54) | (46.71) | (46.89) | (47.06) | (47.24) | (47.41) | (47.59) | (47.76) | (47.94) | (48.11) | (48.29) | (48.46) | (48.64) | (48.81) | (48.99) | (49.16) | (49.34) | (49.51) | (49.69) | (49.86) | (50.04) | (50.21) | (50.39) | (50.56) | (50.74) | (50.91) | (51.09) | (51.26) | (51.44) | (51.61) | (51.79) | (51.96) | (52.14) | (52.31) | (52.49) | (52.66) | (52.84) | (53.01) | (53.19) | (53.36) | (53.54) | (53.71) | (53.89) | (54.06) | (54.24) | (54.41) | (54.59) | (54.76) | (54.94) | (55.11) | (55.29) | (55.46) | (55.64) | (55.81) | (55.99) | (56.16) | (56.34) | (56.51) | (56.69) | (56.86) | (57.04) | (57.21) | (57.39) | (57.56) | (57.74) | (57.91) | (58.09) | (58.26) | (58.44) | (58.61) | (58.79) | (58.96) | (59.14) | (59.31) | (59.49) | (59.66) | (59.84) | (60.01) | (60.19) | (60.36) | (60.54) | (60.71) | (60.89) | (61.06) | (61.24) | (61.41) | (61.59) | (61.76) | (61.94) | (62.11) | (62.29) | (62.46) | (62.64) | (62.81) | (62.99) | (63.16) | (63.34) | (63.51) | (63.69) | (63.86) | (64.04) | (64.21) | (64.39) | (64.56) | (64.74) | (64.91) | (65.09) | (65.26) | (65.44) | (65.61) | (65.79) | (65.96) | (66.14) | (66.31) | (66.49) | (66.66) | (66.84) | (67.01) | (67.19) | (67.36) | (67.54) | (67.71) | (67.89) | (68.06) | (68.24) | (68.41) | (68.59) | (68.76) | (68.94) | (69.11) | (69.29) | (69.46) | (69.64) | (69.81) | (69.99) | (70.16) | (70.34) | (70.51) | (70.69) | (70.86) | (71.04) | (71.21) | (71.39) | (71.56) | (71.74) | (71.91) | (72.09) | (72.26) | (72.44) | (72.61) | (72.79) | (72.96) | (73.14) | (73.31) | (73.49) | (73.66) | (73.84) | (74.01) | (74.19) | (74.36) | (74.54) | (74.71) | (74.89) | (75.06) | (75.24) | (75.41) | (75.59) | (75.76) | (75.94) | (76.11) | (76.29) | (76.46) | (76.64) | (76.81) | (76.99) | (77.16) | (77.34) | (77.51) | (77.69) | (77.86) | (78.04) | (78.21) | (78.39) | (78.56) | (78.74) | (78.91) | (79.09) | (79.26) | (79.44) | (79.61) | (79.79) | (79.96) | (80.14) | (80.31) | (80.49) | (80.66) | (80.84) | (81.01) | (81.19) | (81.36) | (81.54) | (81.71) | (81.89) | (82.06) | (82.24) | (82.41) | (82.59) | (82.76) | (82.94) | (83.11) | (83.29) | (83.46) | (83.64) | (83.81) | (83.99) | (84.16) | (84.34) | (84.51) | (84.69) | (84.86) | (85.04) | (85.21) | (85.39) | (85.56) | (85.74) | (85.91) | (86.09) | (86.26) | (86.44) | (86.61) | (86.79) | (86.96) | (87.14) | (87.31) | (87.49) | (87.66) | (87.84) | (88.01) | (88.19) | (88.36) | (88.54) | (88.71) | (88.89) | (89.06) | (89.24) | (89.41) | (89.59) | (89.76) | (89.94) | (90.11) | (90.29) | (90.46) | (90.64) | (90.81) | (90.99) | (91.16) | (91.34) | (91.51) | (91.69) | (91.86) | (92.04) | (92.21) | (92.39) | (92.56) | (92.74) | (92.91) | (93.09) | (93.26) | (93.44) | (93.61) | (93.79) | (93.96) | (94.14) | (94.31) | (94.49) | (94.66) | (94.84) | (95.01) | (95.19) | (95.36) | (95.54) | (95.71) | (95.89) | (96.06) | (96.24) | (96.41) | (96.59) | (96.76) | (96.94) | (97.11) | (97.29) | (97.46) | (97.64) | (97.81) | (97.99) | (98.16) | (98.34) | (98.51) | (98.69) | (98.86) | (99.04) | (99.21) | (99.39) | (99.56) | (99.74) | (99.91) | (100.09) | (100.26) | (100.44) | (100.61) | (100.79) | (100.96) | (101.14) | (101.31) | (101.49) | (101.66) | (101.84) | (102.01) | (102.19) | (102.36) | (102.54) | (102.71) | (102.89) | (103.06) | (103.24) | (103.41) | (103.59) | (103.76) | (103.94) | (104.11) | (104.29) | (104.46) | (104.64) | (104.81) | (104.99) | (105.16) | (105.34) | (105.51) | (105.69) | (105.86) | (106.04) | (106.21) | (106.39) | (106.56) | (106.74) | (106.91) | (107.09) | (107.26) | (107.44) | (107.61) | (107.79) | (107.96) | (108.14) | (108.31) | (108.49) | (108.66) | (108.84) | (109.01) | (109.19) | (109.36) | (109.54) | (109.71) | (109.89) | (110.06) | (110.24) | (110.41) | (110.59) | (110.76) | (110.94) | (111.11) | (111.29) | (111.46) | (111.64) | (111.81) | (111.99) | (112.16) | (112.34) | (112.51) | (112.69) | (112.86) | (113.04) | (113.21) | (113.39) | (113.56) | (113.74) | (113.91) | (114.09) | (114.26) | (114.44) | (114.61) | (114.79) | (114.96) | (115.14) | (115.31) | (115.49) | (115.66) | (115.84) | (116.01) | (116.19) | (116.36) | (116.54) | (116.71) | (116.89) | (117.06) | (117.24) | (117.41) | (117.59) | (117.76) | (117.94) | (118.11) | (118.29) | (118.46) | (118.64) | (118.81) | (118.99) | (119.16) | (119.34) | (119.51) | (119.69) | (119.86) | (120.04) | (120.21) | (120.39) | (120.56) | (120.74) | (120.91) | (121.09) | (121.26) | (121.44) | (121.61) | (121.79) | (121.96) | (122.14) | (122.31) | (122.49) | (122.66) | (122.84) | (123.01) | (123.19) | (123.36) | (123.54) | (123.71) | (123.89) | (124.06) | (124.24) | (124.41) | (124.59) | (124.76) | (124.94) | (125.11) | (125.29) | (125.46) | (125.64) | (125.81) | (125.99) | (126.16) | (126.34) | (126.51) | (126.69) | (126.86) | (127.04) | (127.21) | (127.39) | (127.56) | (127.74) | (127.91) | (128.09) | (128.26) | (128.44) | (128.61) | (128.79) | (128.96) | (129.14) | (129.31) | (129.49) | (129.66) | (129.84) | (130.01) | (130.19) | (130.36) | (130.54) | (130.71) | (130.89) | (131.06) | (131.24) | (131.41) | (131.59) | (131.76) | (131.94) | (132.11) | (132.29) | (132.46) | (132.64) | (132.81) | (132.99) | (133.16) | (133.34) | (133.51) | (133.69) | (133.86) | (134.04) | (134.21) | (134.39) | (134.56) | (134.74) | (134.91) | (135.09) | (135.26) | (135.44) | (135.61) | (135.79) | (135.96) | (136.14) | (136.31) | (136.49) | (136.66) | (136.84) | (137.01) | (137.19) | (137.36) | (137.54) | (137.71) | (137.89) | (138.06) | (138.24) | (138.41) | (138.59) | (138.76) | (138.94) | (139.11) | (139.29) | (139.46) | (139.64) | (139.81) | (139.99) | (140.16) | (140.34) | (140.51) | (140.69) | (140.86) | (141.04) | (141.21) | (141.39) | (141.56) | (141.74) | (141.91) | (142.09) | (142.26) | (142.44) | (142.61) | (142.79) | (142.96) | (143.14) | (143.31) | (143.49) | (143.66) | (143.84) | (144.01) | (144.19) | (144.36) | (144.54) | (144.71) | (144.89) | (145.06) | (145.24) | (145.41) | (145.59) | (145.76) | (145.94) | (146.11) | (146.29) | (146.46) | (146.64) | (146.81) | (146.99) | (147.16) | (147.34) | (147.51) | (147.69) | (147.86) | (148.04) | (148.21) | (148.39) | (148.56) | (148.74) | (148.91) | (149.09) | (149.26) | (149.44) | (149.61) | (149.79) | (149.96) | (150.14) | (150.31) | (150.49) | (150.66) | (150.84) | (151.01) | (151.19) | (151.36) | (151.54) | (151.71) | (151.89) | (152.06) | (152.24) | (152.41) | (152.59) | (152.76) | (152.94) | (153.11) | (153.29) | (153.46) | (153.64) | (153.81) | (153.99) | (154.16) | (154.34) | (154.51) | (154.69) | (154.86) | (155.04) | (155.21) | (155.39) | (155.56) | (155.74) | (155.91) | (156.09) | (156.26) | (156.44) | (156.61) | (156.79) | (156.96) | (157.14) | (157.31) | (157.49) | (157.66) | (157.84) | (158.01) | (158.19) | (158.36) | (158.54) | (158.71) | (158.89) | (159.06) | (159.24) | (159.41) | (159.59) | (159.76) | (159.94) | (160.11) | (160.29) | (160.46) | (160.64) | (160.81) | (160.99) | (161.16) | (161.34) | (161.51) | (161.69) | (161.86) | (162.04) | (162.21) | (162.39) | (162.56) | (162.74) | (162.91) | (163.09) | (163.26) | (163.44) | (163.61) | (163.79) | (163.96) | (164.14) | (164.31) | (164.49) | (164.66) | (164.84) | (165.01) | (165.19) | (165.36) | (165.54) | (165.71) | (165.89) | (166.06) | (166.24) | (166.41) | (166.59) | (166.76) | (166.94) | (167.11) | (167.29) | (167.46) | (167.64) | (167.81) | (167.99) | (168.16) | (168.34) | (168.51) | (168.69) | (168.86) | (169.04) | (169.21) | (169.39) | (169.56) | (169.74) | (169.91) | (170.09) | (170.26) | (170.44) | (170.61) | (170.79) | (170.96) | (171.14) | (171.31) | (171.49) | (171.66) | (171.84) | (172.01) | (172.19) | (172.36) | (172.54) | (172.71) | (172.89) | (173.06) | (173.24) | (173.41) | (173.59) | (173.76) | (173.94) | (174.11) | (174.29) | (174.46) | (174.64) | (174.81) | (174.99) | (175.16) | (175.34) | (175.51) | (175.69) | (175.86) | (176.04) | (176.21) | (176.39) | (176.56) | (176.74) | (176.91) | (177.09) | (177.26) | (177.44) | (177.61) | (177.79) | (177.96) | (178.14) | (178.31) | (178.49) | (178.66) | (178.84) | (179.01) | (179.19) | (179.36) | (179.54) | (179.71) | (179.89) | (180.06) | (180.24) | (180.41) | (180.59) | (180.76) | (180.94) | (181.11) | (181.29) | (181.46) | (181.64) | (181.81) | (181.99) | (182.16) | (182.34) | (182.51) | (182.69) | (182.86) | (183.04) | (183.21) | (183.39) | (183.56) | (183.74) | (183.91) | (184.09) | (184.26) | (184.44) | (184.61) | (184.79) | (184.96) | (185.14) | (185.31) | (185.49) | (185.66) | (185.84) | (186.01) | (186.19) | (186.36) | (186.54) | (186.71) | (186.89) | (187.06) | (187.24) | (187.41) | (187.59) | (187.76) | (187.94) | (188.11) | (188.29) | (188.46) | (188.64) | (188.81) | (188.99) | (189.16) | (189.34) | (189.51) | (189.69) | (189.86) | (190.04) | (190.21) | (190.39) | (190.56) | (190.74) | (190.91) | (191.09) | (191.26) | (191.44) | (191.61) | (191.79) | (191.96) | (192.14) | (192.31) | (192.49) | (192.66) | (192.84) | (193.01) | (193.19) | (193.36) | (193.54) | (193.71) | (193.89) | (194.06) | (194.24) | (194.41) | (194.59) | (194.76) | (194.94) | (195.11) | (195.29) | (195.46) | (195.64) | (195.81) | (195.99) | (196.16) | (196.34) | (196.51) | (196.69) | (196.86) | (197.04) | (197.21) | (197.39) | (197.56) | (197.74) | (197.91) | (198.09) | (198.26) | (198.44) | (198.61) | (198.79) | (198.96) | (199.14) | (199.31) | (199.49) | (199.66) | (199.84) | (200.01) | (200.19) | (200.36) | (200.54) | (200.71) | (200.89) | (201.06) | (201.24) | (201.41) | (201.59) | (201.76) | (201.94) | (202.11) | (202.29) | (202.46) | (202.64) | (202.81) | (202.99) | (203.16) | (203. |

ANFCHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 1 | 12 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11.1in ²) |

PROC. DATE - MONTH 8 DAY 24 HR. 19.0

| FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | |
|-----------------------------------|---------------------------------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | FULL SIZE SOUND PRESSURE LEVELS | | | | | SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| NO EGA | 50 | 61.2 | 66.8 | 67.1 | 69.6 | 72.4 | 73.6 | 74.6 | 76.1 | 79.6 | 85.1 | 88.7 | 88.9 |
| SIDELINE 2400. FT. | 63 | 63.6 | 66.7 | 69.3 | 70.6 | 72.4 | 74.4 | 75.4 | 76.1 | 78.1 | 82.8 | 88.1 | 91.7 |
| (731.52 M) | 80 | 64.1 | 67.2 | 70.1 | 71.6 | 73.4 | 75.4 | 76.4 | 79.4 | 84.4 | 91.6 | 94.7 | 92.1 |
| NFA (1. RPM | 100 | 66.1 | 69.5 | 70.9 | 72.9 | 75.2 | 76.9 | 78.7 | 81.7 | 87.1 | 93.3 | 95.7 | 92.8 |
| (0. RAD/SEC) | 125 | 68.5 | 70.7 | 72.8 | 74.8 | 76.9 | 78.1 | 80.1 | 82.8 | 89.1 | 95.5 | 97.1 | 94.1 |
| NFK (1. RPM | 160 | 72.4 | 75.4 | 78.5 | 79.1 | 79.6 | 79.8 | 82.1 | 84.3 | 89.0 | 96.4 | 97.5 | 94.0 |
| (0. RAD/SEC) | 200 | 71.5 | 75.0 | 78.2 | 79.5 | 80.5 | 82.3 | 83.0 | 85.5 | 90.2 | 96.4 | 97.4 | 94.3 |
| NFD (7500. RPM | 250 | 70.6 | 73.9 | 75.4 | 77.2 | 78.7 | 81.6 | 82.7 | 85.9 | 90.6 | 96.8 | 97.2 | 92.8 |
| (785. RAD/SEC) | 315 | 71.1 | 74.7 | 78.2 | 78.3 | 79.6 | 81.6 | 83.6 | 86.5 | 90.2 | 95.8 | 96.4 | 91.2 |
| AIRFLOW RATIO | 400 | 70.8 | 73.9 | 77.0 | 78.9 | 80.4 | 81.7 | 83.2 | 86.1 | 90.5 | 93.8 | 94.1 | 88.5 |
| WF/HM 6.81 | 500 | 71.3 | 74.8 | 76.9 | 78.5 | 80.1 | 81.6 | 83.2 | 86.1 | 89.2 | 92.2 | 89.8 | 84.0 |
| VEHICLE CELL41 | 630 | 71.4 | 75.8 | 77.0 | 79.7 | 79.7 | 81.0 | 83.2 | 86.1 | 89.2 | 92.2 | 89.8 | 84.0 |
| CONFIG NC40 | 800 | 71.9 | 78.4 | 79.7 | 79.4 | 80.6 | 80.9 | 82.3 | 85.9 | 88.7 | 90.1 | 88.3 | 81.8 |
| LOC C41 ANECH CH | 1000 | 70.0 | 78.0 | 80.6 | 80.9 | 81.3 | 81.4 | 82.3 | 84.7 | 87.4 | 88.4 | 85.7 | 80.3 |
| DATE 05-28-76 | 1250 | 67.4 | 75.1 | 78.4 | 81.2 | 82.7 | 81.5 | 81.9 | 83.7 | 85.6 | 86.5 | 84.1 | 77.0 |
| RUN CONF1LOWFLWC | 1600 | 62.8 | 72.7 | 75.4 | 78.4 | 81.2 | 80.2 | 80.2 | 82.2 | 83.4 | 83.7 | 80.4 | 73.5 |
| TAPE X00120 | 2000 | 58.3 | 68.7 | 72.5 | 75.1 | 77.9 | 78.2 | 78.5 | 79.3 | 79.7 | 80.0 | 76.8 | 68.7 |
| FAN TIP SPEED | 2500 | 53.7 | 64.9 | 68.6 | 72.6 | 75.3 | 75.6 | 76.6 | 76.6 | 77.9 | 76.4 | 71.8 | 63.9 |
| FT/SEC | 3150 | 45.7 | 57.5 | 63.5 | 66.7 | 71.3 | 70.5 | 71.9 | 70.8 | 72.0 | 70.8 | 65.6 | 55.2 |
| | 4000 | 35.1 | 49.8 | 55.6 | 59.0 | 63.3 | 63.5 | 63.8 | 63.3 | 64.7 | 62.5 | 57.3 | 41.7 |
| | 5000 | 29.2 | 45.8 | 52.9 | 57.0 | 60.4 | 60.3 | 60.9 | 60.8 | 61.2 | 58.2 | 51.9 | 36.7 |
| | 6300 | 12.6 | 32.5 | 42.4 | 46.4 | 49.9 | 50.2 | 50.9 | 51.3 | 49.9 | 47.9 | 39.2 | 17.0 |
| | 8000 | | 13.6 | 24.7 | 30.5 | 33.4 | 34.8 | 35.5 | 34.0 | 32.3 | 29.5 | 18.0 | |
| | 10000 | | | 3.5 | 11.0 | 13.5 | 15.6 | 17.6 | 13.6 | 10.8 | 6.2 | | |
| OVERALL CALCULATED | 12500 | 81.7 | 86.5 | 88.9 | 90.2 | 91.7 | 92.6 | 93.9 | 96.6 | 100.4 | 105.4 | 106.2 | 102.6 |
| PND8 | | 86.4 | 92.9 | 95.9 | 98.2 | 100.5 | 100.6 | 101.5 | 103.4 | 106.4 | 109.9 | 109.7 | 105.0 |
| | | | | | | | | | | | | | 96.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 1 | 12 | 731 5m(2400ft.) SIDELINE | FULL - 33m ² (513in. ²) |

ATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL

PAGE 1 FULL SCALE DATA

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE
FULL-.33m²(513in.²)

ACOUSTIC RANGE
45 7m(150ft.) ARC

TEST POINT
13

CONFIGURATION

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS FOUR

| PROC. DATE - MONTH 8 DAY 24 HR. 19.0 | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| SIDELINE 2400. FT. | 63 | 61.2 | 66.5 | 66.9 | 72.9 | 73.6 | 75.1 | 76.9 | 80.4 |
| (731.52 M) | 80 | 64.1 | 66.5 | 69.8 | 71.1 | 72.9 | 74.9 | 75.6 | 85.3 |
| NFA | 100 | 64.9 | 67.5 | 69.6 | 71.6 | 73.6 | 76.1 | 77.4 | 88.6 |
| (0. RAD/SEC) | 125 | 68.5 | 71.2 | 72.8 | 75.1 | 77.1 | 78.4 | 80.6 | 86.9 |
| NFK | 160 | 72.9 | 76.1 | 78.0 | 79.3 | 79.3 | 80.1 | 81.6 | 88.8 |
| (0. RAD/SEC) | 200 | 71.3 | 74.5 | 78.0 | 79.8 | 80.3 | 82.0 | 82.5 | 85.5 |
| NFD | 250 | 70.6 | 73.7 | 75.4 | 77.2 | 78.7 | 81.3 | 82.7 | 85.4 |
| (785. RAD/SEC) | 315 | 71.1 | 73.9 | 77.2 | 77.8 | 79.1 | 80.8 | 83.6 | 85.8 |
| AIRFLOW RATIO | 400 | 69.8 | 73.2 | 76.0 | 77.9 | 79.7 | 80.9 | 83.4 | 86.1 |
| W/F/W 6.81 | 500 | 69.5 | 73.3 | 75.9 | 77.5 | 79.6 | 81.4 | 82.8 | 86.0 |
| VEHICLE | 630 | 69.2 | 72.8 | 75.0 | 76.9 | 78.5 | 80.0 | 82.7 | 85.9 |
| CELL 41 | 800 | 68.4 | 74.2 | 76.0 | 77.2 | 78.3 | 80.4 | 82.1 | 85.2 |
| CONFIG NC40 | 1000 | 66.8 | 73.5 | 76.1 | 77.2 | 78.6 | 80.1 | 81.8 | 84.2 |
| LOC C41 ANECH CH | 1250 | 64.6 | 71.1 | 74.4 | 77.7 | 78.4 | 79.8 | 81.4 | 83.7 |
| DATE 05-28-76 | 1600 | 60.6 | 69.2 | 72.7 | 75.4 | 78.2 | 78.0 | 79.7 | 82.2 |
| RUN CONFLOWFLWC | 2000 | 56.6 | 65.4 | 70.0 | 73.3 | 75.6 | 76.7 | 77.5 | 78.8 |
| TAPE X00130 | 2500 | 52.2 | 62.4 | 66.9 | 71.4 | 73.3 | 73.9 | 75.3 | 75.6 |
| FAN TIP SPEED | 3150 | 44.2 | 55.5 | 61.5 | 65.7 | 69.5 | 70.9 | 72.3 | 72.3 |
| FT/SEC | 4000 | 34.1 | 47.1 | 53.1 | 58.0 | 62.1 | 62.5 | 62.6 | 62.8 |
| | 5000 | 28.7 | 42.8 | 50.9 | 56.0 | 59.7 | 59.6 | 60.5 | 60.4 |
| | 6300 | 12.8 | 28.7 | 39.9 | 45.4 | 49.4 | 49.5 | 50.4 | 50.0 |
| | 8000 | | 9.1 | 23.2 | 28.8 | 33.2 | 33.8 | 35.7 | 33.8 |
| | 10000 | | 3.5 | 8.5 | 16.0 | 14.6 | 16.6 | 12.3 | 9.6 |
| | 12500 | | | | | | | | 5.4 |
| OVERALL CALCULATED | 80.8 | 84.6 | 87.2 | 89.0 | 90.4 | 91.9 | 93.6 | 96.3 | 99.9 |
| PNDB | 84.9 | 90.4 | 93.7 | 96.3 | 98.5 | 99.5 | 100.9 | 103.2 | 105.9 |
| | | | | | | | | | 108.8 |
| | | | | | | | | | 108.4 |
| | | | | | | | | | 104.7 |
| | | | | | | | | | 95.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | | |
|---------------|------------|--------------------------|--|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
| 1 | 13 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in. ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 24 HR. 19.6
 MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | NO. EGA | 40. FT. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|---------|---------|--------|-------|--------------|---------------|------------------|-------|-------|---------------|-------|--------------|-------|--------------|-----------------|----------------|-------------|-------|----------------|-------|
| RADIAL (12. M) | VEHICLE | CELL41 | CONFIG | LQC | C41 ANECH CH | DATE 05-28-76 | RUN CORF1LOWFLWC | TAPE | BAR | (99111. N/M2) | TAMB | (290. DEG K) | THWT | (285. DEG K) | HACT11.49 CM/M3 | (.01149 KG/M3) | FREQ. SHIFT | JET | DIAMETER RATIO | DF/DH |
| 100 | 79.9 | 90.2 | 88.4 | 89.7 | 91.3 | 92.2 | 92.3 | 93.0 | 93.9 | 95.5 | 99.9 | 99.1 | 102.2 | 136.8 | 136.8 | 136.8 | 136.8 | 136.8 | 136.8 | 136.8 |
| 125 | 80.3 | 84.9 | 86.4 | 88.7 | 90.7 | 91.6 | 92.5 | 93.2 | 92.1 | 91.7 | 100.1 | 101.8 | 102.1 | 136.7 | 136.7 | 136.7 | 136.7 | 136.7 | 136.7 | 136.7 |
| 160 | 80.9 | 83.9 | 86.4 | 87.2 | 87.5 | 88.7 | 89.8 | 90.9 | 93.1 | 96.3 | 100.9 | 105.1 | 108.5 | 109.3 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 | 142.2 |
| 200 | 84.0 | 84.3 | 85.0 | 87.6 | 88.7 | 89.8 | 90.8 | 93.7 | 98.1 | 103.7 | 109.1 | 110.8 | 110.8 | 110.8 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 |
| 250 | 82.8 | 85.8 | 87.1 | 87.6 | 89.2 | 90.8 | 92.9 | 94.6 | 96.5 | 100.9 | 106.8 | 111.7 | 114.1 | 112.9 | 147.5 | 147.5 | 147.5 | 147.5 | 147.5 | 147.5 |
| 315 | 84.4 | 88.2 | 87.4 | 89.7 | 91.6 | 92.9 | 95.3 | 96.7 | 99.8 | 105.3 | 113.1 | 117.6 | 117.2 | 114.3 | 149.7 | 149.7 | 149.7 | 149.7 | 149.7 | 149.7 |
| 400 | 87.2 | 88.5 | 90.0 | 90.5 | 92.1 | 94.2 | 95.3 | 96.4 | 98.5 | 101.2 | 107.9 | 115.5 | 118.4 | 115.9 | 151.8 | 151.8 | 151.8 | 151.8 | 151.8 | 151.8 |
| 500 | 88.3 | 89.0 | 90.3 | 91.6 | 92.9 | 94.8 | 96.4 | 98.5 | 101.2 | 107.9 | 115.5 | 118.4 | 118.3 | 115.9 | 153.1 | 153.1 | 153.1 | 153.1 | 153.1 | 153.1 |
| 630 | 89.9 | 91.4 | 91.1 | 92.9 | 94.8 | 96.4 | 98.5 | 101.2 | 107.9 | 115.5 | 118.4 | 118.3 | 115.9 | 115.9 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 |
| 800 | 92.4 | 92.9 | 93.2 | 95.2 | 96.5 | 97.9 | 99.5 | 101.1 | 104.5 | 109.2 | 116.3 | 119.8 | 119.2 | 117.2 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 |
| 1000 | 96.7 | 98.2 | 99.2 | 98.3 | 99.1 | 99.5 | 101.8 | 101.9 | 106.1 | 110.3 | 116.6 | 119.9 | 120.0 | 116.3 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 |
| 1250 | 94.3 | 96.6 | 98.8 | 99.1 | 99.9 | 101.8 | 101.9 | 106.1 | 110.3 | 116.6 | 119.9 | 120.0 | 116.3 | 116.3 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 | 154.6 |
| 1600 | 93.9 | 95.9 | 96.2 | 97.2 | 98.1 | 100.7 | 102.3 | 105.5 | 111.2 | 116.3 | 120.0 | 119.6 | 115.9 | 115.9 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 | 153.3 |
| 2000 | 95.2 | 96.5 | 97.7 | 97.8 | 98.8 | 101.0 | 102.8 | 106.6 | 111.6 | 114.2 | 117.9 | 115.8 | 111.6 | 111.6 | 152.4 | 152.4 | 152.4 | 152.4 | 152.4 | 152.4 |
| 2500 | 94.0 | 95.6 | 97.3 | 98.4 | 99.7 | 101.0 | 102.9 | 107.6 | 111.8 | 114.6 | 117.3 | 114.8 | 110.8 | 110.8 | 152.3 | 152.3 | 152.3 | 152.3 | 152.3 | 152.3 |
| 3150 | 94.2 | 96.0 | 97.3 | 97.8 | 98.9 | 100.6 | 102.9 | 107.6 | 111.8 | 114.6 | 117.3 | 114.8 | 110.8 | 110.8 | 150.9 | 150.9 | 150.9 | 150.9 | 150.9 | 150.9 |
| 4000 | 93.5 | 96.1 | 96.8 | 97.6 | 98.6 | 100.9 | 103.3 | 107.3 | 110.2 | 112.8 | 114.3 | 111.9 | 108.2 | 108.2 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 | 150.3 |
| 5000 | 94.1 | 97.9 | 98.7 | 98.8 | 99.3 | 100.9 | 103.3 | 107.3 | 110.2 | 112.8 | 114.3 | 111.9 | 108.2 | 108.2 | 149.6 | 149.6 | 149.6 | 149.6 | 149.6 | 149.6 |
| 6300 | 93.5 | 98.0 | 99.8 | 99.8 | 100.7 | 101.5 | 103.7 | 107.6 | 110.1 | 111.2 | 112.9 | 111.0 | 107.8 | 107.8 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 |
| 8000 | 92.5 | 96.3 | 98.7 | 100.9 | 102.0 | 102.1 | 103.7 | 106.9 | 109.2 | 111.5 | 111.7 | 109.8 | 106.6 | 106.6 | 147.5 | 147.5 | 147.5 | 147.5 | 147.5 | 147.5 |
| 10000 | 90.4 | 95.8 | 97.4 | 99.9 | 102.4 | 101.8 | 103.4 | 106.4 | 108.4 | 110.3 | 110.0 | 108.6 | 105.8 | 105.8 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 | 147.0 |
| 12500 | 88.3 | 93.6 | 96.5 | 98.7 | 101.0 | 101.6 | 102.4 | 104.7 | 106.7 | 108.2 | 107.8 | 106.9 | 103.8 | 103.8 | 145.9 | 145.9 | 145.9 | 145.9 | 145.9 | 145.9 |
| 16000 | 86.4 | 91.7 | 95.4 | 98.1 | 100.1 | 100.2 | 101.9 | 103.1 | 106.2 | 106.2 | 106.3 | 105.3 | 103.0 | 103.0 | 144.2 | 144.2 | 144.2 | 144.2 | 144.2 | 144.2 |
| 20000 | 83.7 | 88.3 | 92.7 | 95.3 | 98.8 | 97.6 | 99.9 | 100.6 | 103.9 | 104.2 | 104.1 | 103.0 | 99.9 | 99.9 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 | 144.6 |
| 25000 | 80.6 | 86.6 | 89.3 | 92.3 | 95.6 | 95.0 | 96.3 | 97.1 | 100.3 | 100.8 | 102.6 | 98.6 | 95.9 | 95.9 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 | 144.7 |
| 31500 | 77.9 | 83.8 | 88.0 | 91.7 | 93.7 | 93.1 | 94.4 | 95.7 | 98.0 | 98.2 | 101.1 | 97.9 | 94.4 | 94.4 | 146.6 | 146.6 | 146.6 | 146.6 | 146.6 | 146.6 |
| 40000 | 73.1 | 79.5 | 85.2 | 88.4 | 89.0 | 89.3 | 90.7 | 92.3 | 94.2 | 95.9 | 98.9 | 94.0 | 90.0 | 90.0 | 152.2 | 152.2 | 152.2 | 152.2 | 152.2 | 152.2 |
| 50000 | 69.0 | 73.3 | 81.1 | 84.6 | 81.6 | 83.5 | 86.2 | 86.6 | 88.6 | 91.7 | 95.7 | 89.6 | 83.9 | 83.9 | 165.1 | 165.1 | 165.1 | 165.1 | 165.1 | 165.1 |
| 63000 | 65.0 | 68.6 | 77.8 | 80.2 | 75.7 | 77.4 | 81.2 | 80.8 | 83.9 | 88.8 | 91.3 | 76.6 | 72.4 | 72.4 | | | | | | |
| 80000 | 61.4 | 64.0 | 76.0 | 76.9 | 68.5 | 71.4 | 76.5 | 74.4 | 80.1 | 85.7 | 88.4 | 76.7 | 72.4 | 72.4 | | | | | | |
| OVERALL MEASURED | 105.4 | 108.1 | 109.6 | 110.7 | 112.2 | 113.1 | 114.8 | 118.0 | 122.0 | 126.4 | 129.5 | 129.0 | 126.1 | 126.1 | | | | | | |
| OVERALL CALCULATED | 117.9 | 120.5 | 121.6 | 122.2 | 123.6 | 124.9 | 126.8 | 130.6 | 134.7 | 138.3 | 141.2 | 139.8 | 136.5 | 136.5 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 14 ACQUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-71.3cm²(11.1in²)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NO EGA | 50 | 89.6 | 93.6 | 92.6 | 94.9 | 96.8 | 98.1 | 99.6 | 101.7 | 106.1 | 111.9 | 116.9 | 119.3 | 118.1 | 164.2 |
| RDG. NO. 0. | 63 | 92.4 | 93.7 | 95.2 | 95.7 | 97.3 | 99.4 | 100.5 | 103.4 | 108.4 | 115.5 | 120.2 | 120.9 | 118.7 | 166.4 |
| RADIAL 150. FT. | 80 | 93.5 | 94.2 | 95.5 | 96.8 | 98.1 | 100.5 | 101.9 | 105.0 | 110.5 | 118.3 | 122.8 | 124.4 | 119.5 | 168.4 |
| (46. M) | 100 | 95.1 | 96.6 | 96.3 | 98.1 | 100.0 | 101.6 | 103.7 | 106.4 | 113.1 | 120.7 | 123.6 | 123.5 | 121.1 | 169.8 |
| VEHICLE CELL41 | 125 | 97.6 | 98.1 | 98.4 | 100.4 | 101.7 | 103.1 | 105.2 | 108.1 | 114.6 | 121.9 | 125.6 | 125.1 | 122.4 | 169.8 |
| CONFIG NC40 | 160 | 101.9 | 103.4 | 104.4 | 103.5 | 104.3 | 104.7 | 106.3 | 109.7 | 114.4 | 121.5 | 125.0 | 124.4 | 122.4 | 171.4 |
| LOC C41 ANECH CH | 200 | 99.5 | 101.6 | 104.0 | 104.3 | 105.2 | 107.0 | 107.2 | 111.3 | 115.5 | 121.9 | 125.1 | 125.2 | 121.5 | 171.0 |
| DATE 05-28-76 | 250 | 99.1 | 101.1 | 101.4 | 102.4 | 103.3 | 105.9 | 107.5 | 110.7 | 116.4 | 121.5 | 125.2 | 124.9 | 121.1 | 171.4 |
| RUN CONFLOWLWC | 315 | 100.4 | 101.7 | 103.0 | 103.0 | 104.1 | 106.2 | 108.1 | 111.5 | 116.0 | 120.3 | 124.0 | 123.2 | 118.9 | 171.2 |
| TAPE X00140 | 400 | 99.3 | 100.8 | 102.6 | 103.6 | 105.0 | 105.8 | 108.2 | 111.9 | 116.8 | 119.4 | 123.1 | 121.0 | 116.8 | 170.0 |
| BAR 29.3 HG | 500 | 99.5 | 101.3 | 102.6 | 103.1 | 105.0 | 106.3 | 108.2 | 112.9 | 117.1 | 119.9 | 122.6 | 120.1 | 116.1 | 169.1 |
| (99111. N/M2) | 630 | 98.9 | 101.4 | 102.2 | 103.0 | 104.3 | 105.9 | 108.3 | 112.7 | 116.2 | 119.0 | 120.5 | 118.4 | 113.9 | 168.9 |
| TAMB 63. DEG F | 800 | 99.5 | 103.3 | 104.1 | 104.1 | 104.7 | 106.3 | 108.7 | 112.6 | 115.6 | 118.2 | 119.6 | 117.3 | 113.6 | 167.6 |
| (290. DEG K) | 1000 | 98.9 | 103.5 | 105.3 | 105.3 | 106.1 | 107.0 | 109.1 | 112.1 | 115.6 | 116.7 | 118.3 | 116.5 | 113.3 | 166.3 |
| 59. DEG F | 1250 | 98.2 | 102.0 | 104.3 | 106.6 | 107.6 | 107.7 | 109.4 | 112.6 | 114.8 | 117.2 | 117.4 | 115.5 | 112.2 | 166.1 |
| (288. DEG R) | 1600 | 96.3 | 101.7 | 103.3 | 105.8 | 108.3 | 107.7 | 109.3 | 112.3 | 114.3 | 116.2 | 115.9 | 114.5 | 111.7 | 165.4 |
| HACT11.49 GM/F ³ | 2000 | 94.6 | 99.9 | 102.8 | 105.0 | 107.3 | 107.9 | 108.7 | 111.0 | 113.0 | 114.5 | 114.1 | 113.2 | 110.1 | 164.2 |
| (.01149 KG/M ³) | 2500 | 93.4 | 98.6 | 102.3 | 105.0 | 107.1 | 107.1 | 108.9 | 110.0 | 113.1 | 113.1 | 113.2 | 112.2 | 109.9 | 164.2 |
| FFREQ. SHIFT | 3150 | 91.4 | 96.0 | 100.4 | 103.0 | 106.5 | 105.4 | 107.6 | 108.3 | 111.7 | 112.0 | 111.8 | 110.7 | 107.6 | 163.7 |
| JET 8 | 4000 | 89.4 | 95.5 | 98.2 | 101.2 | 104.4 | 103.9 | 105.2 | 106.0 | 109.2 | 109.7 | 111.4 | 107.4 | 104.7 | 162.5 |
| DIAMETER RATIO | 5000 | 88.8 | 94.6 | 98.9 | 102.5 | 104.5 | 104.0 | 105.2 | 106.6 | 108.9 | 109.0 | 112.0 | 108.8 | 105.2 | 160.6 |
| DF/DW 6.61 | 6300 | 86.6 | 93.0 | 98.7 | 101.9 | 102.5 | 102.8 | 104.2 | 105.8 | 107.7 | 109.4 | 112.4 | 107.5 | 103.5 | 161.2 |
| | 8000 | 85.9 | 90.1 | 97.9 | 101.4 | 98.5 | 100.3 | 103.1 | 103.5 | 105.5 | 108.6 | 112.6 | 106.5 | 100.8 | 161.2 |
| | 10000 | 87.0 | 90.5 | 99.8 | 102.1 | 97.6 | 99.3 | 103.2 | 103.7 | 105.8 | 110.7 | 113.2 | 105.1 | 98.5 | 161.2 |
| | 12500 | 90.8 | 93.5 | 105.5 | 106.3 | 97.9 | 100.8 | 105.9 | 103.8 | 109.5 | 115.1 | 117.9 | 106.1 | 101.8 | 163.1 |
| OVERALL CALCULATED | 110.8 | 113.6 | 115.9 | 117.2 | 118.3 | 119.0 | 120.9 | 123.8 | 127.7 | 131.9 | 134.9 | 134.1 | 131.1 | 168.9 | |
| PWDB | 119.8 | 124.0 | 127.0 | 129.1 | 130.9 | 131.1 | 132.9 | 134.9 | 138.2 | 140.3 | 142.1 | 140.7 | 137.3 | 181.7 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 1 | 14 | 45.7m(150ft.) ARC | FULL-33m ² (513in ²) |

| FULL SIZE SOUND PRESSURE | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | ANGLES FROM INLET IN DEGREES (AND-RADIANS) | | | | | 0. 0. 0. 0. 0. | | | | | | | | |
|--------------------------|--|--|--|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|----------------|--------|--------|--------|--|--|--|--|--|
| | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | |
| FREQ. | | | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0.) | | | | | |
| NO EGA | | | | | 50 | 61.4 | 66.8 | 67.1 | 70.1 | 72.4 | 73.9 | 75.4 | 76.9 | 80.6 | 85.3 | 88.7 | 88.9 | 84.2 | | | | | |
| SIDE LINE 2400. FT. | | | | | 63 | 64.1 | 67.0 | 69.6 | 70.9 | 72.9 | 75.1 | 76.1 | 78.6 | 82.8 | 88.8 | 91.9 | 90.3 | 84.6 | | | | | |
| (731.52 M) | | | | | 80 | 65.1 | 67.5 | 69.9 | 71.9 | 73.6 | 76.1 | 77.4 | 80.1 | 84.9 | 91.6 | 94.4 | 91.8 | 85.3 | | | | | |
| INFA | | | | | 100 | 66.6 | 69.8 | 70.6 | 73.2 | 75.4 | 77.2 | 79.2 | 81.4 | 87.4 | 93.8 | 95.2 | 92.8 | 86.7 | | | | | |
| 1. RPM | | | | | 125 | 69.0 | 71.2 | 72.6 | 75.3 | 77.1 | 78.6 | 80.6 | 83.1 | 88.8 | 95.0 | 97.1 | 94.1 | 87.7 | | | | | |
| (0. RAD/SEC) | | | | | 160 | 73.2 | 76.4 | 78.5 | 78.3 | 79.6 | 80.1 | 81.6 | 84.6 | 88.5 | 94.4 | 96.2 | 93.2 | 87.5 | | | | | |
| NFK | | | | | 200 | 70.5 | 74.5 | 78.0 | 79.0 | 80.3 | 82.3 | 82.3 | 86.0 | 89.5 | 94.6 | 96.1 | 93.8 | 86.2 | | | | | |
| (0. RAD/SEC) | | | | | 250 | 69.9 | 73.7 | 75.1 | 76.9 | 78.2 | 81.0 | 82.5 | 85.2 | 90.1 | 94.0 | 96.0 | 93.1 | 85.3 | | | | | |
| NFD 7500. RPM | | | | | 315 | 70.9 | 73.9 | 76.4 | 77.3 | 78.8 | 81.1 | 82.8 | 85.8 | 89.4 | 92.5 | 94.4 | 90.9 | 82.4 | | | | | |
| (785. RAD/SEC) | | | | | 400 | 69.3 | 72.7 | 75.7 | 77.6 | 79.4 | 80.4 | 82.7 | 85.9 | 90.0 | 91.3 | 93.1 | 88.2 | 79.4 | | | | | |
| AIRFLOW RATIO | | | | | 500 | 69.0 | 72.8 | 75.4 | 76.8 | 79.1 | 80.6 | 82.3 | 86.5 | 89.9 | 91.4 | 92.1 | 88.6 | 77.7 | | | | | |
| WF/WM 6.81 | | | | | 630 | 67.7 | 72.3 | 74.5 | 76.1 | 78.0 | 79.8 | 82.0 | 85.9 | 88.5 | 89.9 | 89.3 | 84.0 | 74.2 | | | | | |
| VEHICLE | | | | | 800 | 67.4 | 73.4 | 75.7 | 76.7 | 77.8 | 79.6 | 81.8 | 85.2 | 87.2 | 88.3 | 87.5 | 81.8 | 72.1 | | | | | |
| CELL41 | | | | | 1000 | 65.8 | 72.7 | 76.1 | 77.2 | 78.6 | 79.6 | 81.6 | 83.9 | 86.4 | 85.9 | 85.2 | 79.6 | 69.8 | | | | | |
| CONFIG | | | | | 1250 | 63.6 | 70.1 | 74.1 | 77.5 | 79.2 | 79.5 | 80.9 | 83.5 | 84.6 | 85.3 | 82.8 | 76.8 | 66.2 | | | | | |
| LOC C41 ANECH CH | | | | | 1600 | 59.8 | 68.2 | 71.7 | 75.4 | 78.7 | 78.2 | 79.7 | 81.9 | 82.7 | 82.7 | 79.4 | 73.2 | 61.9 | | | | | |
| DATE 05-28-76 | | | | | 2000 | 55.8 | 64.4 | 69.5 | 73.1 | 76.1 | 77.0 | 77.5 | 79.1 | 79.7 | 79.0 | 75.3 | 69.0 | 55.9 | | | | | |
| RUN CONFLWFLWC | | | | | 2500 | 51.2 | 60.4 | 66.6 | 70.8 | 73.8 | 74.1 | 75.6 | 75.8 | 77.4 | 74.9 | 71.1 | 63.6 | 49.2 | | | | | |
| TAPE X00140 | | | | | 3150 | 43.9 | 53.3 | 60.7 | 65.2 | 69.8 | 69.0 | 70.9 | 70.5 | 72.0 | 69.3 | 64.3 | 55.2 | 36.6 | | | | | |
| FAN TIP SPEED | | | | | 4000 | 33.8 | 46.1 | 52.6 | 58.0 | 62.5 | 62.4 | 63.3 | 62.8 | 63.6 | 60.2 | 55.8 | 41.4 | 18.3 | | | | | |
| FT/SEC | | | | | 5000 | 28.5 | 41.3 | 49.8 | 56.2 | 59.7 | 59.6 | 60.4 | 60.2 | 59.9 | 55.7 | 51.7 | 36.7 | 9.8 | | | | | |
| | | | | | 6300 | 12.6 | 28.2 | 39.6 | 46.4 | 48.8 | 49.7 | 50.6 | 50.3 | 48.7 | 44.6 | 38.4 | 17.5 | | | | | | |
| | | | | | 8000 | | 7.8 | 23.4 | 31.7 | 31.4 | 34.1 | 35.9 | 33.8 | 31.0 | 26.2 | 17.5 | | | | | | | |
| | | | | | 10000 | | | 3.7 | 12.7 | 11.7 | 14.5 | 17.3 | 13.3 | 9.8 | 3.9 | | | | | | | | |
| | | | | | 12500 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | 80.4 | 84.4 | 87.0 | 88.5 | 90.4 | 91.7 | 93.3 | 96.3 | 99.9 | 103.7 | 105.3 | 102.4 | 95.6 | | | | | | |
| PNDB | | | | | 84.4 | 89.7 | 93.2 | 96.1 | 98.7 | 99.5 | 100.8 | 103.1 | 105.8 | 107.8 | 108.6 | 104.8 | 96.5 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 14 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513m²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 85.3 | 89.4 | 88.6 | 91.2 | 93.0 | 93.9 | 94.8 | 97.2 | 101.4 | 106.9 | 111.6 | 113.8 | 113.6 | | | | 159.1 |
| RDG. NO. | | 63 | 88.4 | 89.4 | 91.2 | 91.9 | 93.3 | 94.9 | 96.0 | 98.4 | 103.4 | 110.2 | 114.7 | 115.9 | 114.7 | | | | 161.3 |
| RADIAL 150. FT. | | 80 | 89.0 | 90.2 | 91.2 | 92.5 | 94.1 | 96.2 | 97.9 | 100.3 | 105.7 | 113.3 | 117.0 | 117.7 | 115.5 | | | | 163.4 |
| VEHICLE (46. M) | | 100 | 90.6 | 92.3 | 92.6 | 93.9 | 95.5 | 97.6 | 99.7 | 102.4 | 108.3 | 115.7 | 118.6 | 119.0 | 116.8 | | | | 165.0 |
| CONFIG NC40 | | 125 | 93.3 | 94.1 | 94.4 | 95.9 | 97.5 | 98.9 | 101.0 | 103.6 | 109.9 | 118.4 | 121.4 | 120.1 | 118.4 | | | | 167.2 |
| LOC C41 ANECH CH | | 160 | 97.9 | 99.2 | 100.9 | 102.2 | 103.3 | 100.9 | 102.6 | 105.2 | 110.4 | 118.8 | 122.0 | 120.4 | 119.4 | | | | 167.8 |
| DATE 05-28-76 | | 200 | 95.2 | 98.0 | 100.3 | 102.6 | 101.9 | 103.3 | 103.9 | 106.8 | 111.3 | 118.6 | 121.8 | 121.5 | 118.8 | | | | 167.9 |
| RUN CONFLOWFLWC | | 250 | 95.6 | 97.1 | 98.2 | 98.9 | 100.0 | 102.9 | 103.8 | 106.7 | 111.7 | 118.0 | 121.2 | 120.6 | 118.4 | | | | 166.2 |
| TAPE X00160 | | 315 | 97.4 | 98.7 | 100.2 | 100.0 | 100.8 | 102.4 | 103.6 | 107.5 | 111.7 | 116.5 | 120.0 | 119.2 | 116.2 | | | | 165.2 |
| BAR 29.3 HG | | 400 | 96.3 | 97.6 | 100.1 | 100.4 | 102.5 | 102.8 | 104.7 | 107.4 | 112.3 | 115.2 | 119.1 | 117.5 | 114.3 | | | | 164.7 |
| (99111. N/M2) | | 500 | 96.0 | 99.1 | 100.4 | 100.9 | 102.7 | 103.3 | 105.0 | 108.4 | 111.2 | 114.3 | 116.5 | 113.9 | 109.9 | | | | 163.2 |
| TAMB 64. DEG F | | 630 | 95.4 | 97.9 | 99.7 | 101.0 | 101.8 | 103.2 | 104.8 | 107.7 | 111.2 | 114.3 | 116.5 | 113.9 | 110.3 | | | | 162.9 |
| (291. DEG K) | | 800 | 95.0 | 98.8 | 99.9 | 101.4 | 101.5 | 103.8 | 105.0 | 108.4 | 111.1 | 114.2 | 115.4 | 112.8 | 110.3 | | | | 162.2 |
| TWEET 60. DEG K | | 1000 | 94.9 | 100.5 | 99.8 | 101.6 | 103.1 | 104.3 | 105.9 | 107.8 | 110.8 | 113.4 | 113.6 | 111.7 | 110.0 | | | | 162.1 |
| (288. DEG K) | | 1250 | 94.9 | 101.0 | 100.8 | 102.3 | 103.1 | 104.2 | 105.6 | 108.8 | 110.6 | 112.7 | 113.1 | 111.7 | 110.2 | | | | 161.5 |
| FREQ. SHIFT | | 1600 | 94.1 | 102.2 | 101.8 | 102.5 | 104.3 | 103.4 | 104.6 | 108.0 | 109.5 | 111.2 | 112.3 | 111.2 | 110.7 | | | | 160.5 |
| JET 8 | | 2000 | 92.4 | 101.6 | 101.3 | 103.0 | 103.5 | 103.4 | 104.7 | 106.2 | 108.0 | 109.7 | 110.8 | 110.2 | 110.1 | | | | 160.0 |
| DIAMETER RATIO | | 2500 | 91.4 | 100.1 | 99.8 | 102.8 | 104.0 | 104.1 | 104.6 | 105.5 | 107.8 | 108.3 | 110.0 | 109.5 | 109.1 | | | | 158.5 |
| DF/Dm 6.81 | | 3150 | 88.9 | 97.5 | 98.6 | 100.0 | 103.3 | 102.3 | 103.6 | 103.8 | 106.4 | 106.5 | 108.3 | 106.7 | 106.6 | | | | 156.9 |
| OVERALL CALCULATED | | 4000 | 86.4 | 95.7 | 95.9 | 98.2 | 100.7 | 100.6 | 100.9 | 102.0 | 104.7 | 104.1 | 107.4 | 104.9 | 103.5 | | | | 157.0 |
| | | 5000 | 85.7 | 94.9 | 95.6 | 98.5 | 100.5 | 100.5 | 101.0 | 102.3 | 104.1 | 103.7 | 107.4 | 104.5 | 104.2 | | | | 156.5 |
| | | 6300 | 85.8 | 92.5 | 94.7 | 97.2 | 99.2 | 99.2 | 98.7 | 101.3 | 102.7 | 104.1 | 106.9 | 102.7 | 102.2 | | | | 154.8 |
| | | 8000 | 78.7 | 89.1 | 92.2 | 94.2 | 93.5 | 95.1 | 95.0 | 98.0 | 98.9 | 101.3 | 106.1 | 100.5 | 99.1 | | | | 155.3 |
| | | 10000 | 76.2 | 86.5 | 90.7 | 92.6 | 91.6 | 92.5 | 93.4 | 96.7 | 98.5 | 101.7 | 105.7 | 98.8 | 97.3 | | | | 159.7 |
| | | 12500 | 76.3 | 86.4 | 92.2 | 93.0 | 91.7 | 93.8 | 93.7 | 97.3 | 99.5 | 105.3 | 108.8 | 101.1 | 100.3 | | | | 177.4 |
| | | PNDB | 116.8 | 123.5 | 124.0 | 126.0 | 127.4 | 127.7 | 128.6 | 130.4 | 133.2 | 135.6 | 138.0 | 136.7 | 135.4 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 16 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m(513in.)

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 57.2 | 62.8 | 63.1 | 66.4 | 68.6 | 69.6 | 70.4 | 72.4 | 75.9 | 80.3 | 83.5 | 83.4 | 79.7 | | | |
| SIDELINE 2400. FT. | | 63 | 60.1 | 62.7 | 65.6 | 67.1 | 68.9 | 70.6 | 71.6 | 73.6 | 77.8 | 83.6 | 86.4 | 85.3 | 80.6 | | | |
| (731.52 M) | | 80 | 60.6 | 63.5 | 65.6 | 67.6 | 69.6 | 71.9 | 73.4 | 75.4 | 80.1 | 86.6 | 88.7 | 87.1 | 81.3 | | | |
| NFA | | 100 | 62.1 | 65.5 | 66.9 | 68.9 | 70.9 | 73.2 | 75.2 | 77.4 | 82.6 | 88.8 | 90.2 | 88.3 | 82.4 | | | |
| (1. RPM | | 125 | 64.8 | 67.2 | 68.6 | 70.8 | 72.9 | 74.4 | 76.4 | 78.6 | 84.1 | 91.5 | 92.6 | 89.1 | 83.7 | | | |
| (0. RAD/SEC) | | 160 | 69.2 | 72.1 | 75.0 | 75.1 | 75.6 | 76.3 | 77.8 | 80.1 | 84.5 | 91.7 | 93.2 | 89.2 | 84.5 | | | |
| NFK | | 200 | 66.3 | 70.8 | 74.2 | 75.3 | 77.0 | 78.5 | 79.0 | 81.5 | 85.2 | 91.4 | 92.9 | 90.1 | 83.4 | | | |
| (0. RAD/SEC) | | 250 | 66.4 | 69.7 | 71.9 | 73.4 | 75.0 | 76.0 | 78.7 | 81.2 | 85.4 | 90.5 | 92.0 | 88.8 | 82.5 | | | |
| NFD 7500. RPM | | 315 | 67.9 | 70.9 | 73.7 | 74.3 | 75.6 | 77.3 | 79.3 | 81.8 | 85.2 | 88.8 | 90.4 | 86.9 | 79.7 | | | |
| (785. RAD/SEC) | | 400 | 66.3 | 69.4 | 73.2 | 74.4 | 76.9 | 77.4 | 79.2 | 81.4 | 85.5 | 87.0 | 89.1 | 84.8 | 77.0 | | | |
| AIRFLOW RATIO | | 500 | 65.5 | 70.5 | 73.1 | 74.5 | 76.8 | 77.6 | 79.1 | 82.0 | 85.4 | 86.9 | 87.9 | 82.1 | 74.2 | | | |
| WF/W 6.81 | | 630 | 64.2 | 68.8 | 72.0 | 74.1 | 75.5 | 77.0 | 78.5 | 80.9 | 83.5 | 85.2 | 85.3 | 79.5 | 70.2 | | | |
| VEHICLE | | 800 | 62.9 | 68.9 | 71.5 | 73.9 | 74.6 | 77.1 | 78.1 | 80.9 | 82.7 | 84.3 | 83.3 | 77.3 | 68.9 | | | |
| CELL41 | | 1000 | 61.8 | 69.7 | 70.6 | 73.4 | 75.6 | 76.9 | 78.3 | 79.7 | 81.6 | 82.6 | 80.4 | 74.8 | 66.5 | | | |
| CONFIG NC40 | | 1250 | 60.4 | 69.1 | 70.6 | 73.2 | 74.7 | 76.0 | 77.2 | 79.7 | 80.4 | 80.8 | 78.6 | 73.0 | 64.1 | | | |
| LOC C41 ANECH CH | | 1600 | 57.6 | 68.7 | 70.2 | 72.1 | 74.7 | 74.0 | 74.9 | 77.6 | 77.9 | 77.7 | 75.9 | 70.0 | 60.9 | | | |
| DATE 05-28-76 | | 2000 | 53.6 | 66.2 | 68.0 | 71.1 | 72.4 | 72.5 | 73.5 | 74.3 | 74.7 | 74.3 | 72.1 | 65.9 | 55.9 | | | |
| RUN CONFLOWLWC | | 2500 | 49.2 | 61.9 | 64.1 | 68.6 | 70.7 | 71.1 | 71.3 | 71.3 | 72.1 | 70.1 | 67.8 | 60.9 | 48.5 | | | |
| TAPE X00T60 | | 3150 | 41.6 | 54.8 | 59.0 | 62.2 | 66.5 | 65.9 | 66.9 | 66.0 | 66.7 | 63.7 | 60.8 | 51.1 | 35.6 | | | |
| FAN TIP SPEED | | 4000 | 30.8 | 46.3 | 50.3 | 55.0 | 58.8 | 59.2 | 59.0 | 58.8 | 59.1 | 54.7 | 51.8 | 38.9 | 17.0 | | | |
| FT/SEC | | 5000 | 25.4 | 41.5 | 46.6 | 52.2 | 55.6 | 56.0 | 56.1 | 56.0 | 55.1 | 50.4 | 47.1 | 32.4 | 8.8 | | | |
| | | 6300 | 11.8 | 27.7 | 35.6 | 41.6 | 45.6 | 46.2 | 45.1 | 45.7 | 43.6 | 39.3 | 32.8 | 12.7 | | | | |
| | | 8000 | | 6.8 | 17.6 | 24.4 | 26.4 | 28.8 | 27.9 | 28.2 | 24.4 | 18.9 | 10.9 | | | | | |
| | | 10000 | | | | 3.2 | 5.7 | 7.8 | 7.5 | 7.2 | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 76.6 | 81.2 | 83.7 | 85.3 | 87.0 | 88.3 | 89.6 | 91.9 | 95.3 | 99.9 | 101.2 | 98.0 | 92.1 | | | | |
| PNDB | | 80.9 | 88.3 | 90.6 | 93.1 | 95.1 | 95.9 | 96.8 | 98.7 | 101.1 | 103.8 | 104.5 | 100.6 | 93.5 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 1 | 16 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in. ²) |

| | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|-------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 40. | | 50. | | 60. | | 70. | | 80. | |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) |
| | (2.79) | (3.16) | (3.55) | (3.98) | (4.47) | (5.01) | (5.62) | (6.30) | (7.06) | (7.91) |
| | (8.85) | (10.0) | (11.2) | (12.6) | (14.1) | (15.7) | (17.4) | (19.2) | (21.1) | (23.1) |
| | (26.1) | (28.5) | (31.1) | (33.9) | (36.9) | (40.1) | (43.5) | (47.1) | (50.9) | (54.9) |
| | (59.1) | (63.1) | (67.3) | (71.7) | (76.3) | (81.1) | (86.1) | (91.2) | (96.5) | (102.0) |
| | (107.7) | (113.4) | (119.4) | (125.7) | (132.3) | (139.2) | (146.4) | (153.9) | (161.7) | (169.8) |
| | (178.3) | (186.2) | (194.5) | (203.2) | (212.3) | (221.8) | (231.7) | (242.0) | (252.7) | (263.8) |
| | (275.4) | (286.9) | (298.9) | (311.4) | (324.4) | (337.9) | (351.9) | (366.4) | (381.4) | (396.9) |
| | (413.9) | (429.9) | (446.5) | (463.7) | (481.5) | (500.0) | (519.2) | (539.1) | (559.7) | (581.0) |
| | (604.0) | (625.0) | (646.7) | (669.1) | (692.2) | (716.1) | (740.7) | (766.1) | (792.2) | (819.1) |
| | (846.8) | (875.5) | (905.0) | (935.3) | (966.5) | (998.6) | (1031.6) | (1065.6) | (1100.5) | (1136.4) |
| | (1184.3) | (1222.7) | (1262.0) | (1302.3) | (1343.5) | (1385.7) | (1428.9) | (1473.1) | (1518.4) | (1564.8) |
| | (1612.3) | (1660.9) | (1710.3) | (1760.5) | (1811.6) | (1863.7) | (1916.8) | (1970.9) | (2026.1) | (2082.4) |
| | (2139.8) | (2198.3) | (2258.8) | (2320.4) | (2383.1) | (2446.9) | (2511.8) | (2577.8) | (2644.9) | (2713.2) |
| | (2782.7) | (2852.7) | (2923.9) | (2996.3) | (3069.9) | (3144.7) | (3220.7) | (3297.9) | (3376.4) | (3456.2) |
| | (3537.4) | (3619.5) | (3702.9) | (3787.6) | (3873.7) | (3961.2) | (4050.1) | (4140.4) | (4232.1) | (4325.2) |
| | (4419.8) | (4515.6) | (4612.9) | (4711.7) | (4812.0) | (4913.8) | (5017.1) | (5121.9) | (5228.2) | (5336.0) |
| | (5445.4) | (5563.5) | (5683.1) | (5804.3) | (5927.1) | (6051.5) | (6177.5) | (6305.1) | (6434.3) | (6565.2) |
| | (6697.8) | (6832.0) | (6967.9) | (7105.6) | (7245.1) | (7386.4) | (7529.5) | (7674.4) | (7821.1) | (7969.6) |
| | (8119.9) | (8270.6) | (8423.0) | (8577.1) | (8732.9) | (8890.5) | (9049.7) | (9210.7) | (9373.5) | (9538.1) |
| | (9704.5) | (9872.0) | (10041.3) | (10212.4) | (10385.3) | (10560.0) | (10736.5) | (10914.8) | (11094.9) | (11276.9) |
| | (11460.8) | (11648.6) | (11838.3) | (12029.9) | (12223.5) | (12419.1) | (12616.7) | (12816.3) | (13017.9) | (13221.6) |
| | (13427.4) | (13636.0) | (13846.7) | (14059.5) | (14274.4) | (14491.5) | (14710.8) | (14932.3) | (15155.9) | (15381.7) |
| | (15609.6) | (15838.6) | (16069.9) | (16303.5) | (16539.3) | (16777.3) | (17017.5) | (17259.9) | (17504.5) | (17751.3) |
| | (18000.0) | (18252.0) | (18506.3) | (18762.9) | (19021.7) | (19282.7) | (19545.9) | (19811.3) | (20079.0) | (20349.0) |
| | (20621.3) | (20894.6) | (21169.9) | (21447.3) | (21726.7) | (22008.2) | (22291.8) | (22577.5) | (22865.4) | (23155.5) |
| | (23447.8) | (23740.4) | (24035.2) | (24332.2) | (24631.4) | (24932.8) | (25236.4) | (25542.2) | (25850.2) | (26160.4) |
| | (26472.8) | (26785.6) | (27100.7) | (27418.1) | (27737.8) | (28059.8) | (28384.1) | (28710.7) | (29039.6) | (29370.8) |
| | (29704.3) | (30041.4) | (30381.1) | (30723.4) | (31068.3) | (31415.8) | (31765.9) | (32118.6) | (32473.9) | (32831.8) |
| | (33182.3) | (33543.4) | (33907.1) | (34273.4) | (34642.4) | (35014.1) | (35388.5) | (35765.6) | (36145.4) | (36527.9) |
| | (36913.2) | (37297.4) | (37684.1) | (38073.4) | (38465.3) | (38859.8) | (39256.9) | (39656.7) | (40059.2) | (40464.4) |
| | (40872.3) | (41283.9) | (41698.2) | (42115.2) | (42534.9) | (42957.3) | (43382.4) | (43810.2) | (44240.7) | (44673.9) |
| | (45108.9) | (45544.2) | (45982.2) | (46422.9) | (46866.3) | (47312.4) | (47761.2) | (48212.7) | (48666.9) | (49123.9) |
| | (49583.8) | (50051.6) | (50522.3) | (50995.9) | (51472.4) | (51951.8) | (52434.1) | (52919.3) | (53407.4) | (53898.5) |
| | (54392.6) | (54889.8) | (55389.9) | (55892.9) | (56398.8) | (56907.7) | (57419.6) | (57934.5) | (58452.4) | (58973.3) |
| | (59497.3) | (59999.9) | (60505.4) | (61013.8) | (61525.2) | (62039.6) | (62556.9) | (63077.2) | (63590.5) | (64106.8) |
| | (64626.1) | (65144.4) | (65665.6) | (66189.7) | (66716.7) | (67246.7) | (67779.7) | (68315.7) | (68854.7) | (69396.7) |
| | (70000.0) | (70544.4) | (71091.8) | (71642.2) | (72195.6) | (72752.0) | (73311.4) | (73873.8) | (74439.2) | (75007.6) |
| | (75579.0) | (76158.4) | (76740.8) | (77326.2) | (77914.6) | (78506.0) | (79100.4) | (79697.8) | (80298.2) | (80891.6) |
| | (81488.0) | (82086.4) | (82687.8) | (83291.2) | (83897.6) | (84506.0) | (85117.4) | (85731.8) | (86349.2) | (86969.6) |
| | (87593.0) | (88209.4) | (88828.8) | (89450.2) | (90073.6) | (90699.0) | (91327.4) | (91958.8) | (92593.2) | (93230.6) |
| | (93871.0) | (94501.4) | (95134.8) | (95771.2) | (96410.6) | (97052.0) | (97696.4) | (98343.8) | (98994.2) | (99647.6) |
| | (100304.0) | (100958.4) | (101615.8) | (102276.2) | (102939.6) | (103606.0) | (104275.4) | (104947.8) | (105623.2) | (106301.6) |
| | (106983.0) | (107664.4) | (108348.8) | (109036.2) | (109726.6) | (110419.0) | (111113.4) | (111810.8) | (112511.2) | (113214.6) |
| | (113921.0) | (114624.4) | (115330.8) | (116039.2) | (116750.6) | (117464.0) | (118180.4) | (118899.8) | (119622.2) | (120347.6) |
| | (121076.0) | (121794.4) | (122515.8) | (123239.2) | (123964.6) | (124692.0) | (125421.4) | (126152.8) | (126886.2) | (127621.6) |
| | (128359.0) | (129098.4) | (129840.8) | (130585.2) | (131331.6) | (132080.0) | (132830.4) | (133582.8) | (134337.2) | (135093.6) |
| | (135852.0) | (136609.4) | (137368.8) | (138130.2) | (138893.6) | (139659.0) | (140426.4) | (141195.8) | (141967.2) | (142740.6) |
| | (143516.0) | (144292.4) | (145070.8) | (145851.2) | (146633.6) | (147418.0) | (148204.4) | (148992.8) | (149783.2) | (150575.6) |
| | (151370.0) | (152166.4) | (152964.8) | (153765.2) | (154567.6) | (155372.0) | (156178.4) | (156986.8) | (157797.2) | (158609.6) |
| | (159424.0) | (160238.4) | (161054.8) | (161873.2) | (162693.6) | (163516.0) | (164340.4) | (165166.8) | (165995.2) | (166825.6) |
| | (167658.0) | (168492.4) | (169328.8) | (170167.2) | (171007.6) | (171850.0) | (172694.4) | (173540.8) | (174389.2) | (175239.6) |
| | (176092.0) | (176948.4) | (177806.8) | (178667.2) | (179529.6) | (180394.0) | (181260.4) | (182128.8) | (183000.2) | (183873.6) |
| | (184749.0) | (185624.4) | (186501.8) | (187381.2) | (188262.6) | (189146.0) | (190031.4) | (190918.8) | (191808.2) | (192699.6) |
| | (193593.0) | (194490.4) | (195389.8) | (196291.2) | (197194.6) | (198100.0) | (199007.4) | (199916.8) | (200828.2) | (201741.6) |
| | (202657.0) | (203572.4) | (204489.8) | (205409.2) | (206330.6) | (207254.0) | (208179.4) | (209106.8) | (210036.2) | (210967.6) |
| | (211901.0) | (212833.4) | (213767.8) | (214704.2) | (215642.6) | (216583.0) | (217525.4) | (218469.8) | (219416.2) | (220364.6) |
| | (221315.0) | (222272.4) | (223231.8) | (224193.2) | (225156.6) | (226122.0) | (227089.4) | (228058.8) | (229030.2) | (230003.6) |
| | (230979.0) | (231955.4) | (232933.8) | (233914.2) | (234896.6) | (235881.0) | (236867.4) | (237855.8) | (238846.2) | (239838.6) |
| | (240833.0) | (241834.4) | (242837.8) | (243843.2) | (244850.6) | (245859.0) | (246869.4) | (247881.8) | (248896.2) | (249912.6) |
| | (250931.0) | (251942.4) | (252955.8) | (253971.2) | (254988.6) | (256008.0) | (257029.4) | (258052.8) | (259078.2) | (260105.6) |
| | (261135.0) | (262164.4) | (263195.8) | (264229.2) | (265264.6) | (266302.0) | (267341.4) | (268382.8) | (269426.2) | (270471.6) |
| | (271519.0) | (272570.4) | (273623.8) | (274679.2) | (275736.6) | (276796.0) | (277857.4) | (278920.8) | (279986.2) | (281053.6) |
| | (282123.0) | (283194.4) | (284267.8) | (285343.2) | (286420.6) | (287500.0) | (288581.4) | (289664.8) | (290750.2) | (291837.6) |
| | (292927.0) | (294028.4) | (295131.8) | (296237.2) | (297344.6) | (298454.0) | (299565.4) | (300678.8) | (301794.2) | (302911.6) |
| | (304031.0) | (305152.4) | (306275.8) | (307401.2) | (308528.6) | (309658.0) | (310789.4) | (311922.8) | (313058.2) | (314195.6) |
| | (315335.0) | (316478.4) | (317623.8) | (318771.2) | (319920.6) | (321072.0) | (322225.4) | (323380.8) | (324538.2) | (325697.6) |
| | (326859.0) | (328031.4) | (329205.8) | (330382.2) | (331560.6) | (332741.0) | (333923.4) | (335107.8) | (336294.2) | (337482.6) |
| | (338673.0) | (339868.4) | (341065.8) | (342265.2) | (343466.6) | (344669.0) | (345873.4) | (347079.8) | (348288.2) | (349498.6) |
| | (350711.0) | (351922.4) | (353135.8) | (354351.2) | (355568.6) | (356788.0) | (357999.4) | (359212.8) | (360428.2) | (361645.6) |
| | (362865.0) | (364084.4) | (365305.8) | (366529.2) | (367754.6) | (368982.0) | (370211.4) | (371442.8) | (372676.2) | (373911.6) |
| | (375149.0) | (376390.4) | (377633.8) | (378879.2) | (380126.6) | (381376.0) | (382627.4) | (383880.8) | (385136.2) | (386393.6) |
| | (387653.0) | (388914.4) | (390177.8) | (391443.2) | (392710.6) | (393980.0) | (395251.4) | (396524.8) | (397799.2) | (399075.6) |
| | (400354.0) | (401638.4) | (402924.8) | (404213.2) | (405503.6) | (406796.0) | (408090.4) | (409386.8) | (410685.2) | (411985.6) |
| | (413288.0) | (414594.4) | (415902.8) | (417213.2) | (418525.6) | (419839.0) | (421154.4) | (422471.8) | (423791.2) | (425112.6) |
| | (426436.0) | (427760.4) | (429086.8) | (430415.2) | (431745.6) | (433078.0) | (434412.4) | (435748.8) | (437087.2) | (438427.6) |
| | (439770.0) | (441116.4) | (442464.8) | (443815.2) | (445167.6) | (446522.0) | (447878.4) | (449236.8) | (450597.2) | (451959.6) |
| | (453324.0) | (454692.4) | (456062.8) | (457435.2) | (458809.6) | (460186.0) | (461564.4) | (462944.8) | (464327.2) | (465711.6) |
| | (467100.0) | (468487.4) | (469876.8) | (471268.2) | (472661.6) | (474057.0) | (475454.4) | (476853.8) | (478255.2) | (479658.6) |
| | (481064.0) | (482470.4) | (483878.8) | (485289.2) | (486701.6) | (488116.0) | (489532.4) | (490949.8) | (492369.2) | (493790.6) |
| | (495214.0) | (496637.4) | (498062.8) | (499490.2) | (500919.6) | (502351.0) | (503784.4) | (505219.8) | (506657.2) | (508096.6) |
| | (509538.0) | (510980.4) | (512424.8) | (513871.2) | (515319.6) | (516770.0) | (518222.4) | (519676.8) | (521133.2) | (522591.6) |
| | (524052.0) | (525513.4) | (526976.8) | (528442.2) | (529909.6) | (531379.0) | (532850.4) | (534323.8) | (535799.2) | (537276.6) |
| | (538756.0) | (540236.4) | (541718.8) | (543203.2) | (544689.6) | (546178.0) | (547668.4) | (549160.8) | (550655.2) | (552151.6) |
| | (553650.0) | (555148.4) | (556648.8) | (558151.2) | (559655.6) | (561162.0) | (562670.4) | (564180.8) | (565693.2) | (567207.6) |
| | (568724.0) | (570240.4) | (571758.8) | (573279.2) | (574801.6) | (576326.0) | (577852.4) | (579380.8) | (580911.2) | (582443.6) |
| | (583978.0) | (585512.4) | (587048.8) | (588587.2) | (590127.6) | (591670.0) | (593214.4) | (594760.8) | (596309.2) | (597859.6) |
| | (599412.0) | (600968.4) | (602526.8) | (604087.2) | (605649.6) | (607214.0) | (608780.4) | (610348.8) | (611919.2) | (613491.6) |
| | (615066.0) | (616640.4) | (618216.8) | (619795.2) | (621375.6) | (622958.0) | (624542.4) | (626128.8) | (627717.2) | (629307.6) |
| | (630900.0) | (632496.4) | (634094.8) | (635695.2) | (637297.6) | (638902.0) | (640508.4) | (642116.8) | (643727.2) | (645339.6) |
| | (646954.0) | (648572.4) | (650192.8) | (651815.2) | (653439.6) | (655066.0) | (656694.4) | (658324.8) | (659957.2) | (661591.6) |
| | (663228.0) | | | | | | | | | |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 8 DAY 24 HR. 19.0

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| NO EGA | (U.70) | (U.67) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.31) | (3.49) | (3.66) | (3.84) | (4.01) |
| RDG. NO. | 50 | 85.8 | 89.6 | 88.9 | 91.7 | 93.8 | 94.4 | 95.8 | 97.4 | 101.9 | 106.9 | 111.9 | 114.1 | 114.7 | 115.2 | 115.8 | 116.4 | 117.0 | 117.6 | 118.2 |
| RADIAL 150. FT. | 63 | 88.1 | 89.9 | 91.7 | 92.4 | 94.0 | 95.4 | 96.8 | 98.1 | 101.0 | 106.5 | 113.6 | 117.5 | 119.3 | 116.8 | 165.4 | 165.4 | 165.4 | 165.4 | 165.4 |
| (46. M) | 100 | 91.1 | 92.8 | 93.3 | 94.9 | 96.7 | 98.1 | 100.0 | 102.6 | 108.8 | 115.9 | 119.1 | 119.3 | 116.8 | 165.4 | 165.4 | 165.4 | 165.4 | 165.4 | 165.4 |
| VEHICLE CELL41 | 125 | 93.1 | 94.4 | 94.6 | 96.4 | 97.7 | 99.4 | 101.2 | 104.9 | 110.4 | 117.9 | 120.6 | 120.6 | 118.9 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 |
| CONFIG NC40 | 160 | 98.2 | 98.7 | 99.9 | 99.7 | 100.6 | 100.9 | 102.6 | 105.2 | 109.9 | 117.3 | 120.2 | 120.1 | 119.2 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 | 166.7 |
| LOC C41 ANECH CH | 200 | 95.7 | 97.3 | 99.8 | 100.1 | 100.9 | 103.0 | 103.2 | 106.6 | 111.5 | 116.9 | 119.6 | 121.0 | 118.5 | 165.9 | 165.9 | 165.9 | 165.9 | 165.9 | 165.9 |
| DATE 05-28-76 | 315 | 95.9 | 97.4 | 99.0 | 99.0 | 100.6 | 102.2 | 104.6 | 107.2 | 111.2 | 114.5 | 118.0 | 118.2 | 115.7 | 164.8 | 164.8 | 164.8 | 164.8 | 164.8 | 164.8 |
| RUN CONF1LOWFLWC | 400 | 95.3 | 97.1 | 98.6 | 100.1 | 101.7 | 102.1 | 104.5 | 107.4 | 111.8 | 113.7 | 116.4 | 117.3 | 113.8 | 163.9 | 163.9 | 163.9 | 163.9 | 163.9 | 163.9 |
| TAPE X00180 | 500 | 95.3 | 97.8 | 99.4 | 99.9 | 101.7 | 102.8 | 104.5 | 108.1 | 112.1 | 114.2 | 115.6 | 115.1 | 112.3 | 162.3 | 162.3 | 162.3 | 162.3 | 162.3 | 162.3 |
| BAR 29.5 HG | 630 | 94.4 | 96.2 | 98.2 | 99.5 | 101.1 | 102.4 | 104.1 | 107.7 | 111.4 | 113.8 | 114.0 | 113.6 | 109.4 | 161.8 | 161.8 | 161.8 | 161.8 | 161.8 | 161.8 |
| (99111. H/M2) | 800 | 93.5 | 96.6 | 97.6 | 99.6 | 101.0 | 102.8 | 104.2 | 108.4 | 110.6 | 112.7 | 113.9 | 112.0 | 108.8 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 | 161.6 |
| TAMB 64. DEG F | 1000 | 92.7 | 97.5 | 98.8 | 99.6 | 101.6 | 104.3 | 105.4 | 107.6 | 111.1 | 112.2 | 113.1 | 111.5 | 109.3 | 161.3 | 161.3 | 161.3 | 161.3 | 161.3 | 161.3 |
| (291. DEG K) | 1250 | 92.4 | 98.2 | 98.8 | 100.8 | 101.9 | 104.0 | 105.6 | 108.3 | 110.1 | 111.9 | 112.1 | 110.7 | 108.7 | 160.8 | 160.8 | 160.8 | 160.8 | 160.8 | 160.8 |
| TWET 60. DEG F | 1600 | 91.6 | 99.4 | 99.8 | 101.3 | 102.8 | 102.9 | 104.3 | 105.7 | 107.8 | 108.5 | 110.1 | 109.2 | 108.9 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 | 159.6 |
| (288. DEG K) | 2000 | 90.4 | 98.4 | 99.3 | 100.7 | 102.5 | 102.6 | 104.4 | 105.7 | 107.8 | 108.5 | 110.1 | 109.2 | 107.6 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| HACT11.71 GM/M3 | 2500 | 89.1 | 97.1 | 98.3 | 101.0 | 102.8 | 102.9 | 104.1 | 105.3 | 107.3 | 107.8 | 109.2 | 107.7 | 107.6 | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 |
| (.01171 KG/M3) | 3150 | 86.7 | 94.0 | 96.4 | 98.5 | 102.0 | 101.6 | 102.9 | 103.8 | 106.4 | 106.0 | 108.1 | 106.0 | 105.6 | 156.0 | 156.0 | 156.0 | 156.0 | 156.0 | 156.0 |
| FREQ. SHIFT | 4000 | 84.2 | 92.5 | 93.4 | 96.5 | 98.9 | 99.1 | 100.2 | 101.7 | 104.2 | 103.9 | 106.4 | 103.4 | 103.0 | 155.4 | 155.4 | 155.4 | 155.4 | 155.4 | 155.4 |
| JET 8 | 5000 | 83.2 | 91.9 | 94.1 | 96.8 | 99.5 | 99.2 | 99.5 | 101.5 | 103.9 | 102.7 | 106.2 | 103.8 | 102.7 | 153.7 | 153.7 | 153.7 | 153.7 | 153.7 | 153.7 |
| DIAMETER RATIO | 6300 | 80.3 | 89.2 | 92.9 | 95.2 | 96.5 | 97.2 | 97.5 | 100.8 | 102.2 | 102.6 | 105.9 | 101.9 | 101.5 | 153.6 | 153.6 | 153.6 | 153.6 | 153.6 | 153.6 |
| DF/DM 6.81 | 8000 | 76.2 | 84.9 | 89.4 | 91.9 | 92.2 | 93.6 | 94.0 | 97.7 | 99.2 | 99.8 | 104.6 | 100.5 | 97.1 | 157.3 | 157.3 | 157.3 | 157.3 | 157.3 | 157.3 |
| OVERALL CALCULATED | 10000 | 74.8 | 83.0 | 87.7 | 89.6 | 90.1 | 91.3 | 91.9 | 95.7 | 98.0 | 98.4 | 103.5 | 98.3 | 95.5 | 176.6 | 176.6 | 176.6 | 176.6 | 176.6 | 176.6 |
| | 12500 | 74.8 | 83.4 | 89.2 | 90.5 | 89.7 | 91.8 | 93.2 | 95.6 | 98.5 | 102.8 | 106.1 | 98.6 | 97.8 | | | | | | |
| | PNDB | 115.0 | 121.0 | 122.4 | 124.5 | 126.3 | 126.8 | 128.1 | 130.2 | 133.0 | 134.8 | 136.8 | 135.9 | 134.5 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION / TEST POINT /8 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL - 33m²(513in.²)

PROC. DATE - MONTH 8 DAY 24 HR. 19.0

| | | FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00)(3.15)(3.30)(3.46)(3.62)(3.79)(4.00) | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.00) | (3.15) | (3.30) | (3.46) | (3.62) | (3.79) | (4.00) |
| | | 50 | 57.7 | 63.0 | 63.4 | 66.9 | 69.4 | 70.1 | 71.4 | 72.6 | 76.4 | 80.3 | 83.7 | 83.6 | 80.2 | 76.4 | 76.8 | 84.3 | 86.7 | 85.6 | 80.6 |
| | | 63 | 59.9 | 63.2 | 66.1 | 67.6 | 69.6 | 71.1 | 72.4 | 74.6 | 76.1 | 80.9 | 86.8 | 89.2 | 87.3 | 81.0 | 80.9 | 86.8 | 89.2 | 87.3 | 81.0 |
| | | 80 | 60.9 | 63.7 | 66.4 | 68.4 | 70.4 | 72.4 | 73.7 | 75.4 | 77.7 | 83.1 | 89.1 | 90.7 | 88.5 | 82.4 | 84.6 | 91.0 | 92.1 | 89.6 | 84.2 |
| | | 100 | 62.6 | 66.0 | 67.6 | 69.9 | 72.2 | 73.7 | 75.4 | 76.6 | 79.8 | 84.6 | 91.0 | 92.1 | 89.6 | 84.2 | 84.6 | 91.0 | 92.1 | 89.6 | 84.2 |
| | | 125 | 64.5 | 67.4 | 68.8 | 71.3 | 73.1 | 74.9 | 76.6 | 78.3 | 81.3 | 85.5 | 89.6 | 90.6 | 89.6 | 83.2 | 85.5 | 89.6 | 90.6 | 89.6 | 83.2 |
| | | 160 | 69.4 | 71.6 | 74.0 | 74.8 | 76.0 | 78.3 | 78.3 | 81.3 | 85.5 | 89.6 | 90.6 | 89.6 | 83.2 | 85.5 | 89.6 | 90.6 | 89.6 | 83.2 | 85.5 |
| | | 200 | 66.8 | 70.0 | 73.7 | 74.8 | 76.0 | 78.3 | 78.3 | 81.3 | 85.5 | 89.6 | 90.6 | 89.6 | 83.2 | 85.5 | 89.6 | 90.6 | 89.6 | 83.2 | 85.5 |
| | | 250 | 65.9 | 69.9 | 70.6 | 72.9 | 74.7 | 77.5 | 78.5 | 81.4 | 84.9 | 88.8 | 89.5 | 88.1 | 81.8 | 85.9 | 88.4 | 85.9 | 88.4 | 85.9 | 79.2 |
| | | 315 | 66.4 | 69.7 | 72.4 | 73.3 | 75.3 | 77.1 | 79.3 | 81.5 | 84.7 | 86.8 | 88.4 | 85.9 | 79.2 | 85.9 | 88.4 | 85.9 | 88.4 | 85.9 | 79.2 |
| | | 400 | 65.3 | 68.9 | 71.7 | 74.1 | 76.2 | 76.7 | 78.9 | 81.4 | 85.0 | 85.5 | 86.4 | 84.5 | 76.5 | 84.5 | 86.4 | 85.1 | 81.6 | 74.0 | 74.0 |
| | | 500 | 64.8 | 69.3 | 72.1 | 73.5 | 75.8 | 77.1 | 78.6 | 81.8 | 84.9 | 85.6 | 85.1 | 81.6 | 74.0 | 84.9 | 85.6 | 85.1 | 81.6 | 74.0 | 74.0 |
| | | 630 | 63.2 | 67.0 | 70.5 | 72.6 | 74.7 | 76.3 | 77.7 | 80.9 | 83.7 | 84.7 | 82.8 | 79.3 | 69.7 | 84.7 | 82.8 | 81.8 | 76.5 | 67.4 | 67.4 |
| | | 800 | 61.4 | 66.7 | 69.2 | 72.2 | 74.1 | 76.1 | 77.3 | 80.9 | 82.2 | 82.8 | 81.8 | 76.5 | 67.4 | 80.9 | 82.2 | 82.8 | 81.8 | 76.5 | 67.4 |
| | | 1000 | 59.5 | 66.7 | 69.6 | 71.4 | 74.1 | 76.9 | 77.8 | 79.4 | 81.9 | 81.4 | 79.9 | 74.6 | 65.8 | 79.4 | 79.9 | 80.0 | 77.6 | 72.0 | 62.6 |
| | | 1250 | 57.9 | 66.3 | 68.6 | 71.7 | 73.4 | 75.8 | 77.2 | 79.2 | 79.9 | 80.0 | 77.2 | 75.1 | 68.7 | 59.9 | 77.2 | 75.1 | 73.3 | 64.9 | 54.6 |
| | | 1600 | 55.1 | 65.9 | 68.2 | 70.9 | 73.2 | 75.5 | 74.7 | 76.9 | 78.2 | 77.2 | 75.1 | 68.7 | 59.9 | 77.2 | 75.1 | 73.3 | 64.9 | 54.6 | 54.6 |
| | | 2000 | 51.6 | 62.9 | 66.0 | 68.8 | 71.4 | 71.7 | 73.3 | 73.8 | 74.5 | 73.0 | 71.3 | 64.9 | 54.6 | 54.6 | 50.8 | 50.8 | 37.4 | 16.5 | 16.5 |
| | | 2500 | 47.0 | 58.9 | 62.6 | 66.8 | 69.5 | 69.9 | 70.8 | 71.1 | 71.6 | 69.6 | 67.0 | 59.1 | 47.0 | 59.1 | 50.4 | 50.4 | 37.4 | 16.5 | 16.5 |
| | | 3150 | 39.1 | 51.3 | 56.7 | 60.7 | 65.3 | 65.2 | 66.1 | 66.0 | 66.7 | 63.2 | 60.5 | 50.4 | 34.6 | 50.4 | 50.8 | 37.4 | 16.5 | 16.5 | 16.5 |
| | | 4000 | 28.6 | 43.0 | 47.8 | 53.3 | 57.0 | 57.7 | 58.3 | 58.5 | 58.6 | 54.2 | 43.1 | 37.8 | 12.0 | 54.2 | 54.2 | 43.1 | 37.8 | 12.0 | 12.0 |
| | | 5000 | 22.9 | 38.5 | 45.1 | 50.4 | 54.6 | 54.8 | 54.6 | 55.2 | 54.9 | 49.4 | 45.9 | 31.6 | 7.3 | 49.4 | 49.4 | 31.6 | 31.6 | 7.3 | 7.3 |
| | | 6300 | 6.3 | 24.4 | 33.8 | 39.6 | 42.8 | 44.2 | 43.8 | 45.2 | 43.1 | 37.8 | 31.6 | 12.0 | 12.0 | 31.6 | 31.6 | 12.0 | 12.0 | 12.0 | 12.0 |
| | | 8000 | 2.5 | 14.9 | 22.2 | 25.1 | 27.3 | 26.9 | 28.0 | 24.7 | 17.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| | | 10000 | 0.2 | 4.2 | 6.5 | 6.0 | 6.5 | 6.0 | 6.2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| | | 12500 | 0.2 | 4.2 | 6.5 | 6.0 | 6.5 | 6.0 | 6.2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| | | OVERALL CALCULATED | 76.1 | 80.1 | 82.6 | 84.4 | 86.4 | 88.0 | 89.4 | 91.9 | 95.2 | 98.8 | 99.9 | 97.9 | 92.0 | 98.8 | 99.9 | 102.6 | 102.8 | 100.1 | 93.1 |
| | | PND | 79.8 | 86.2 | 89.0 | 91.7 | 94.1 | 95.2 | 96.5 | 98.4 | 100.9 | 102.6 | 102.8 | 100.1 | 93.1 | 102.6 | 102.8 | 100.1 | 102.8 | 100.1 | 93.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION () TEST POINT 18 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in.²)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|-------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| NO EGA | 30.8 | 84.6 | 84.4 | 86.4 | 89.3 | 89.1 | 90.3 | 91.9 | 95.6 | 100.4 | 105.4 | 108.1 | 107.9 | | | | | | 153.2 |
| RDG. NO. | 63 | 82.9 | 85.2 | 87.4 | 87.9 | 88.8 | 90.2 | 91.3 | 94.2 | 97.9 | 103.7 | 109.2 | 109.6 | | | | | | 155.4 |
| O. | 80 | 84.5 | 85.5 | 87.5 | 88.3 | 89.6 | 91.2 | 92.4 | 95.0 | 99.5 | 106.3 | 111.5 | 111.9 | | | | | | 157.6 |
| RADIAL 150. FT. | 100 | 85.6 | 87.8 | 88.1 | 90.1 | 91.2 | 92.6 | 94.5 | 97.1 | 101.1 | 107.9 | 113.4 | 113.8 | | | | | | 159.3 |
| (46. M) | 125 | 87.0 | 89.4 | 89.9 | 90.9 | 93.0 | 94.1 | 95.7 | 97.9 | 102.6 | 108.7 | 114.9 | 115.3 | | | | | | 160.8 |
| VEHICLE | 160 | 91.4 | 92.9 | 94.4 | 93.5 | 94.3 | 95.2 | 96.6 | 99.5 | 102.2 | 107.8 | 113.2 | 113.6 | | | | | | 159.6 |
| CELL41 | 200 | 89.0 | 90.8 | 93.3 | 93.1 | 94.7 | 96.3 | 97.4 | 100.8 | 103.8 | 107.1 | 111.3 | 112.7 | | | | | | 158.4 |
| CONFIG NC40 | 250 | 89.4 | 91.6 | 92.4 | 92.9 | 94.3 | 96.4 | 97.3 | 100.2 | 103.9 | 107.2 | 109.4 | 110.6 | | | | | | 157.2 |
| LOC C41 ANECH CH | 300 | 89.4 | 91.6 | 92.4 | 92.9 | 94.3 | 96.4 | 97.3 | 100.2 | 103.9 | 107.2 | 109.4 | 110.6 | | | | | | 156.2 |
| DATE 05-28-76 | 315 | 90.4 | 92.4 | 93.7 | 93.5 | 95.3 | 96.7 | 99.3 | 102.7 | 104.0 | 106.5 | 107.7 | 108.7 | | | | | | 155.9 |
| RUN CONF1LOWFLWC | 400 | 90.8 | 93.1 | 94.1 | 95.1 | 96.7 | 97.8 | 98.7 | 101.1 | 104.6 | 105.7 | 107.1 | 107.8 | | | | | | 156.4 |
| TAPE X00200 | 500 | 91.3 | 93.8 | 94.6 | 96.1 | 97.2 | 98.3 | 99.5 | 102.1 | 104.9 | 105.9 | 107.6 | 108.3 | | | | | | 155.7 |
| BAR 29.3 HG | 630 | 89.9 | 92.7 | 95.2 | 96.7 | 96.8 | 98.2 | 99.3 | 102.0 | 104.4 | 105.0 | 106.2 | 107.9 | | | | | | 155.5 |
| (99111. N/M2) | 800 | 89.5 | 93.8 | 95.8 | 97.1 | 97.0 | 98.6 | 99.7 | 102.4 | 103.1 | 104.0 | 103.7 | 106.6 | | | | | | 156.0 |
| TAMB 63. DEG F | 1000 | 88.7 | 93.5 | 95.3 | 96.1 | 97.6 | 99.7 | 100.4 | 103.1 | 104.0 | 103.7 | 106.6 | 107.7 | | | | | | 156.6 |
| (290. DEG K) | 1250 | 88.4 | 92.7 | 93.5 | 95.8 | 97.6 | 99.5 | 100.6 | 102.8 | 104.5 | 103.9 | 106.9 | 108.7 | | | | | | 155.9 |
| TWET 60. DEG F | 1600 | 86.6 | 93.2 | 93.8 | 95.2 | 97.8 | 98.7 | 99.8 | 102.5 | 103.5 | 103.2 | 105.3 | 108.4 | | | | | | 154.7 |
| (288. DEG K) | 2000 | 84.3 | 91.4 | 93.0 | 94.9 | 96.5 | 98.1 | 99.6 | 101.2 | 101.2 | 101.7 | 104.1 | 106.9 | | | | | | 154.2 |
| HACT12.01 GM/M3 | 2500 | 83.8 | 90.6 | 91.5 | 94.2 | 96.0 | 97.6 | 99.5 | 101.0 | 101.8 | 100.8 | 102.9 | 105.7 | | | | | | 154.2 |
| (.01201 KG/M3) | 3150 | 80.6 | 87.7 | 89.6 | 91.7 | 94.9 | 96.0 | 97.8 | 99.0 | 101.4 | 99.4 | 101.5 | 103.6 | | | | | | 152.8 |
| FREQ. SHIFT | 4000 | 78.6 | 86.4 | 86.8 | 89.6 | 92.1 | 93.3 | 94.8 | 96.4 | 98.6 | 97.0 | 100.3 | 100.6 | | | | | | 150.6 |
| JET 8 | 5000 | 77.4 | 85.7 | 87.4 | 89.9 | 91.6 | 92.8 | 93.8 | 95.9 | 97.7 | 95.6 | 98.5 | 101.4 | | | | | | 150.2 |
| DIAMETER RATIO | 6300 | 81.0 | 83.3 | 86.2 | 88.5 | 91.5 | 91.8 | 93.8 | 95.4 | 95.8 | 95.2 | 97.5 | 98.8 | | | | | | 149.3 |
| DF/DW 6.81 | 8000 | 71.0 | 78.9 | 82.4 | 84.4 | 84.8 | 86.6 | 88.1 | 91.5 | 91.9 | 90.2 | 94.8 | 96.3 | | | | | | 146.4 |
| | 10000 | 66.7 | 76.2 | 80.6 | 82.3 | 82.1 | 83.7 | 84.9 | 88.9 | 89.4 | 88.8 | 92.8 | 93.2 | | | | | | 145.2 |
| | 12500 | 67.2 | 76.8 | 82.0 | 83.1 | 82.3 | 84.4 | 84.3 | 87.4 | 89.5 | 88.8 | 94.4 | 91.9 | | | | | | 147.2 |
| OVERALL CALCULATED | 101.1 | 104.5 | 105.9 | 107.1 | 108.5 | 110.0 | 111.2 | 113.6 | 115.9 | 118.3 | 122.3 | 123.2 | 121.7 | | | | | | 169.9 |
| PWDB | 109.9 | 115.2 | 116.5 | 118.4 | 120.1 | 121.6 | 123.1 | 125.1 | 126.9 | 127.0 | 129.8 | 131.6 | 130.9 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 1 | 26 | 45.7m(150ft.) ARC |

SIZE
FULL-33m²(513in.²)

PROC. DATE - MONTH 8 DAY 24 HR. 18.9

| FULL SIZE SOUND PRESSURE | | | | | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY) | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) | | | | | | | | | | | | | | 50 | 52.7 | 58.0 | 58.9 | 61.6 | 64.9 | 64.9 | 65.9 | 67.1 | 70.1 | 73.8 | 77.2 | 77.6 | 74.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| NO EGA | | | | | | | | | | | | | | 63 | 54.6 | 58.5 | 61.8 | 63.1 | 64.4 | 65.9 | 66.9 | 69.4 | 72.3 | 77.1 | 80.9 | 79.1 | 74.6 | | | | | | | | | | |
| SIDELINE 2400. FT.
(731.52 M) | | | | | | | | | | | | | | 80 | 56.1 | 58.7 | 61.9 | 63.4 | 65.1 | 66.9 | 67.9 | 70.1 | 73.9 | 79.6 | 83.2 | 81.3 | 76.0 | | | | | | | | | | |
| NFA
(1. RPM | | | | | | | | | | | | | | 100 | 57.4 | 61.0 | 62.4 | 64.1 | 65.8 | 68.4 | 69.6 | 71.1 | 72.8 | 76.8 | 81.7 | 84.9 | 83.0 | 77.2 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | |
| (0. RAD/SEC) | | | | | | | | | | | | | | 125 | 59.0 | 62.4 | 64.1 | 65.8 | 68.4 | 69.6 | 71.1 | 72.8 | 76.8 | 81.7 | 84.9 | 83.0 | 77.2 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| NFK
(1. RPM | | | | | | | | | | | | | | 160 | 62.7 | 65.9 | 68.5 | 68.3 | 69.6 | 70.6 | 71.8 | 74.3 | 76.3 | 80.7 | 84.5 | 82.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| (0. RAD/SEC) | | | | | | | | | | | | | | 200 | 60.0 | 63.5 | 67.2 | 67.8 | 69.8 | 71.5 | 72.5 | 75.5 | 77.7 | 79.9 | 82.4 | 81.3 | 74.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| NFD 7500. RPM | | | | | | | | | | | | | | 250 | 60.1 | 64.2 | 66.1 | 67.4 | 69.2 | 71.5 | 72.2 | 74.7 | 77.6 | 79.8 | 80.2 | 78.8 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| (785. RAD/SEC) | | | | | | | | | | | | | | 315 | 60.9 | 64.7 | 67.2 | 67.8 | 70.1 | 71.6 | 74.1 | 75.0 | 77.4 | 78.8 | 78.2 | 76.4 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| AIRFLOW RATIO | | | | | | | | | | | | | | 400 | 60.8 | 64.9 | 67.2 | 69.1 | 71.2 | 72.4 | 73.2 | 75.1 | 77.7 | 77.5 | 77.1 | 75.0 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| WF/WM 6.81 | | | | | | | | | | | | | | 500 | 60.8 | 65.3 | 67.4 | 69.8 | 71.3 | 72.6 | 73.6 | 75.8 | 77.6 | 77.4 | 77.1 | 74.8 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| | | | | | | | | | | | | | | 630 | 58.7 | 63.5 | 67.5 | 69.9 | 70.5 | 72.0 | 73.0 | 75.1 | 76.7 | 75.9 | 75.0 | 73.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| VEHICLE CELL41 | | | | | | | | | | | | | | 800 | 57.4 | 63.9 | 67.5 | 69.7 | 70.1 | 71.9 | 72.8 | 74.9 | 75.5 | 74.3 | 73.8 | 71.5 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| CONFIG NC40 | | | | | | | | | | | | | | 1000 | 55.5 | 62.7 | 66.1 | 67.9 | 70.1 | 72.4 | 72.8 | 74.9 | 74.9 | 72.9 | 73.4 | 70.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| LOC C41 ANECH CH | | | | | | | | | | | | | | 1250 | 53.8 | 60.8 | 63.4 | 66.7 | 69.2 | 71.2 | 72.2 | 73.7 | 74.4 | 72.0 | 72.3 | 70.0 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| DATE 05-28-76 | | | | | | | | | | | | | | 1600 | 50.1 | 59.6 | 62.2 | 64.9 | 68.1 | 69.2 | 70.1 | 72.1 | 71.9 | 69.6 | 68.8 | 67.2 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | |
| RUN CONF10WFLWC | | | | | | | | | | | | | | 2000 | 45.6 | 55.9 | 59.7 | 63.0 | 65.3 | 67.2 | 68.5 | 69.3 | 67.9 | 66.2 | 65.3 | 62.7 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | |
| TAPE X00200 | | | | | | | | | | | | | | 2500 | 41.7 | 52.4 | 55.8 | 60.0 | 62.7 | 64.6 | 66.3 | 66.8 | 66.0 | 62.5 | 60.7 | 57.1 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | 45.4 | |
| FAN TIP SPEED | | | | | | | | | | | | | | 3150 | 33.1 | 43.0 | 49.9 | 53.9 | 58.2 | 59.6 | 61.1 | 61.2 | 61.7 | 56.7 | 54.0 | 48.1 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | |
| FT/SEC | | | | | | | | | | | | | | 4000 | 23.0 | 37.0 | 41.2 | 46.4 | 50.2 | 51.8 | 52.9 | 53.2 | 53.0 | 47.6 | 44.7 | 34.5 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | |
| | | | | | | | | | | | | | | 5000 | 17.1 | 32.4 | 38.4 | 43.5 | 46.8 | 48.4 | 49.0 | 49.6 | 48.7 | 42.2 | 38.2 | 29.3 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | |
| | | | | | | | | | | | | | | 6300 | 6.9 | 18.5 | 27.1 | 32.9 | 37.9 | 38.8 | 38.1 | 39.8 | 36.7 | 30.4 | 23.4 | 8.8 | | | | | | | | | | | |
| | | | | | | | | | | | | | | 8000 | | | 7.9 | 14.7 | 17.6 | 20.3 | 20.9 | 21.7 | 17.4 | 7.9 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 10000 | | | | | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| I | 20 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in. ²) |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

| | | ANGLE FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
|--------------------|----------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|------|-------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| NO EGA | | 50 | 81.1 | 84.9 | 87.4 | 87.4 | 89.0 | 89.4 | 90.5 | 92.7 | 96.1 | 100.9 | 105.9 | 108.6 | 107.6 | | | | | 153.5 |
| RDG. NO. | 0. | 63 | 83.4 | 85.4 | 87.7 | 87.7 | 89.5 | 90.7 | 91.6 | 94.4 | 98.7 | 104.2 | 109.2 | 110.1 | 108.9 | | | | | 155.7 |
| RADIAL | 150. FT. | 80 | 84.7 | 85.7 | 87.5 | 88.5 | 90.1 | 92.0 | 93.1 | 95.3 | 99.7 | 106.8 | 111.3 | 112.7 | 110.5 | | | | | 157.9 |
| (46. M) | | 100 | 86.3 | 87.6 | 88.6 | 90.1 | 91.2 | 92.6 | 95.0 | 96.9 | 101.6 | 107.9 | 112.9 | 114.0 | 111.6 | | | | | 159.3 |
| VEHICLE | CELL41 | 125 | 87.3 | 88.9 | 89.6 | 91.4 | 92.7 | 94.1 | 95.7 | 98.4 | 102.4 | 108.4 | 113.6 | 115.1 | 112.9 | | | | | 160.2 |
| CONFIG | NC40 | 160 | 91.2 | 92.4 | 93.4 | 93.2 | 93.8 | 95.4 | 97.3 | 99.2 | 102.2 | 107.5 | 112.0 | 113.1 | 111.9 | | | | | 158.9 |
| LOC C41 | ANECH CH | 200 | 88.5 | 90.8 | 92.3 | 93.6 | 93.9 | 96.0 | 97.4 | 100.6 | 103.3 | 107.4 | 110.1 | 111.7 | 109.3 | | | | | 157.7 |
| DATE 05-28-76 | | 250 | 88.9 | 91.4 | 92.4 | 92.9 | 94.0 | 96.4 | 97.8 | 100.2 | 103.9 | 106.7 | 108.4 | 109.4 | 107.4 | | | | | 156.4 |
| RUN CONFLOWLWC | | 315 | 89.4 | 91.7 | 93.7 | 93.0 | 95.1 | 96.4 | 98.6 | 101.0 | 103.7 | 106.0 | 107.0 | 107.9 | 105.4 | | | | | 155.6 |
| TAPE X00210 | | 400 | 90.0 | 92.3 | 94.3 | 95.1 | 97.0 | 97.3 | 98.5 | 100.9 | 104.1 | 105.2 | 106.4 | 106.5 | 104.3 | | | | | 155.2 |
| BAR 29.3 HG | | 500 | 89.8 | 92.3 | 94.1 | 95.1 | 96.7 | 97.8 | 99.0 | 101.4 | 104.4 | 105.7 | 106.4 | 107.1 | 104.6 | | | | | 154.5 |
| (99111. N/M2) | | 630 | 88.4 | 92.2 | 94.7 | 95.5 | 96.3 | 97.2 | 98.6 | 101.2 | 103.2 | 104.3 | 105.2 | 106.1 | 103.7 | | | | | 154.6 |
| TARB 63. DEG F | | 800 | 88.5 | 92.8 | 95.1 | 96.1 | 96.0 | 97.6 | 98.5 | 101.1 | 102.8 | 103.4 | 105.1 | 106.0 | 103.6 | | | | | 154.3 |
| (290. DEG K) | | 1000 | 87.4 | 92.0 | 93.8 | 95.1 | 97.1 | 98.2 | 98.9 | 101.8 | 103.5 | 102.9 | 105.3 | 107.0 | 104.7 | | | | | 154.9 |
| TWET 60. DEG F | | 1250 | 87.4 | 91.2 | 92.3 | 94.8 | 97.1 | 98.0 | 99.9 | 102.1 | 103.3 | 103.2 | 105.9 | 106.7 | 105.5 | | | | | 155.1 |
| (288. DEG K) | | 1600 | 86.3 | 91.2 | 92.5 | 94.0 | 96.8 | 97.2 | 98.8 | 100.7 | 102.5 | 102.2 | 104.8 | 106.4 | 106.2 | | | | | 154.6 |
| HACT12.01 GM/M3 | | 2000 | 84.1 | 89.6 | 91.5 | 93.2 | 95.2 | 96.4 | 98.4 | 99.7 | 100.5 | 100.7 | 103.1 | 104.9 | 104.6 | | | | | 153.2 |
| (.01201 KG/M3) | | 2500 | 83.1 | 88.6 | 90.0 | 92.2 | 95.0 | 95.8 | 98.0 | 99.5 | 100.8 | 99.8 | 102.2 | 104.4 | 103.6 | | | | | 152.8 |
| FFREQ. SHIFT | | 3150 | 80.1 | 85.7 | 88.3 | 90.2 | 94.2 | 94.0 | 97.0 | 97.7 | 99.6 | 97.9 | 100.8 | 101.9 | 101.5 | | | | | 151.4 |
| DIAMETER RATIO | | 4000 | 78.4 | 84.7 | 85.8 | 88.6 | 91.1 | 91.8 | 92.8 | 95.2 | 97.4 | 95.3 | 99.1 | 98.6 | 98.1 | | | | | 149.0 |
| JET 8 | | 5000 | 76.9 | 83.7 | 86.7 | 88.4 | 90.6 | 91.1 | 92.6 | 94.9 | 96.2 | 93.6 | 97.5 | 98.4 | 98.1 | | | | | 148.5 |
| DF/DM 6.81 | | 6300 | 83.2 | 82.3 | 85.7 | 88.7 | 91.8 | 91.8 | 90.0 | 94.6 | 94.8 | 95.2 | 96.0 | 97.3 | 96.6 | | | | | 148.4 |
| | | 8000 | 72.0 | 77.7 | 81.7 | 83.4 | 83.8 | 85.6 | 86.6 | 90.0 | 90.2 | 89.5 | 92.8 | 93.0 | 91.3 | | | | | 146.6 |
| | | 10000 | 67.2 | 74.7 | 79.9 | 80.8 | 81.3 | 82.5 | 83.6 | 87.2 | 87.7 | 87.3 | 91.8 | 89.0 | 89.2 | | | | | 143.4 |
| | | 12500 | 67.2 | 76.3 | 81.0 | 80.9 | 81.3 | 82.9 | 83.3 | 86.2 | 87.8 | 87.6 | 93.4 | 88.7 | 90.6 | | | | | 145.7 |
| OVERALL CALCULATED | | 100.4 | 103.5 | 105.2 | 106.3 | 108.0 | 109.1 | 110.6 | 112.9 | 115.3 | 118.0 | 121.4 | 122.7 | 120.8 | | | | | | 169.2 |
| PWDB | | 109.4 | 113.7 | 115.5 | 117.2 | 119.5 | 120.3 | 122.0 | 124.0 | 125.8 | 126.3 | 128.9 | 130.3 | 129.1 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 1 | 21 | 45.7m(150ft.) ARC | FULL-.33m ² (513in. ²) |
| : | | | |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) (0.) (0.) (0.) |
| NO EGA | 50 | 52.9 | 58.3 | 58.9 | 62.6 | 64.6 | 65.1 | 66.1 | 67.9 | 70.6 | 74.3 | 77.7 | 78.1 | 73.7 |
| SIDELINE 2400. FT. | 63 | 55.1 | 58.7 | 62.1 | 62.9 | 65.1 | 66.4 | 67.4 | 69.6 | 73.1 | 77.6 | 80.9 | 79.6 | 74.9 |
| (731.52 M) | 30 | 56.4 | 59.0 | 61.9 | 63.6 | 65.6 | 67.6 | 68.6 | 70.4 | 74.1 | 80.1 | 82.9 | 82.1 | 76.3 |
| NFA (1. RPM | 100 | 57.9 | 60.8 | 62.9 | 65.2 | 66.7 | 68.2 | 70.4 | 71.9 | 75.9 | 81.1 | 84.4 | 83.3 | 77.2 |
| (0. RAD/SEC) | 125 | 56.8 | 61.9 | 63.8 | 66.3 | 68.1 | 69.6 | 71.1 | 73.3 | 76.6 | 81.5 | 85.1 | 84.1 | 78.2 |
| NFK (1. RPM | 160 | 62.4 | 65.4 | 67.5 | 68.1 | 69.1 | 70.8 | 72.6 | 74.1 | 76.3 | 80.4 | 83.2 | 82.0 | 77.0 |
| (0. RAD/SEC) | 200 | 59.5 | 63.5 | 66.7 | 68.3 | 69.0 | 71.3 | 72.5 | 75.3 | 77.2 | 80.1 | 81.1 | 80.3 | 73.9 |
| NFD (7500. RPM | 250 | 59.6 | 63.9 | 66.1 | 67.4 | 69.0 | 71.5 | 72.7 | 74.7 | 77.6 | 79.3 | 79.2 | 77.6 | 71.5 |
| (785. RAD/SEC) | 315 | 59.9 | 63.9 | 67.2 | 67.3 | 69.8 | 71.3 | 73.3 | 75.3 | 77.2 | 78.3 | 77.4 | 75.7 | 68.9 |
| AFLOW RATIO | 400 | 60.0 | 64.2 | 67.5 | 69.1 | 71.4 | 71.9 | 72.9 | 74.9 | 77.2 | 77.0 | 76.4 | 73.7 | 66.9 |
| WF/WM 6.81 | 500 | 59.3 | 63.8 | 66.9 | 68.8 | 70.8 | 72.1 | 73.1 | 75.0 | 77.1 | 77.1 | 75.9 | 73.6 | 66.2 |
| VEHICLE CELL41 | 650 | 57.2 | 63.0 | 67.0 | 68.6 | 70.0 | 71.0 | 72.2 | 74.4 | 75.5 | 75.2 | 74.0 | 71.8 | 64.0 |
| CONFIG NC40 | 800 | 56.4 | 62.2 | 66.7 | 68.7 | 69.1 | 70.9 | 71.6 | 73.7 | 74.5 | 73.6 | 73.0 | 70.5 | 62.1 |
| LOC C41 ANECH CH | 1000 | 54.2 | 61.2 | 64.6 | 66.9 | 69.6 | 70.9 | 71.3 | 73.7 | 74.4 | 72.1 | 72.2 | 70.1 | 61.3 |
| DATE 05-28-76 | 1250 | 52.8 | 59.3 | 62.1 | 65.7 | 68.7 | 69.7 | 71.4 | 73.0 | 73.1 | 71.3 | 68.0 | 59.4 | |
| RUN 'CONF1LOWFLWC | 1600 | 49.8 | 57.6 | 60.9 | 63.6 | 67.1 | 67.7 | 69.1 | 70.4 | 70.9 | 68.6 | 68.3 | 65.2 | 56.4 |
| TAPE X00210 | 2000 | 45.3 | 54.2 | 58.2 | 61.3 | 64.1 | 65.4 | 67.2 | 67.8 | 67.2 | 65.2 | 64.3 | 60.7 | 50.4 |
| FAN TIP SPEED | 2500 | 40.9 | 50.4 | 54.3 | 58.0 | 61.7 | 62.8 | 64.8 | 65.3 | 65.0 | 61.5 | 60.0 | 55.8 | 42.9 |
| FT/SEC | 3150 | 32.6 | 43.0 | 48.6 | 52.4 | 57.5 | 57.6 | 60.3 | 59.9 | 59.5 | 55.2 | 53.2 | 46.3 | 30.5 |
| | 4000 | 22.7 | 35.2 | 40.2 | 45.4 | 49.2 | 50.3 | 50.9 | 52.0 | 51.8 | 45.8 | 43.5 | 32.5 | 11.7 |
| | 5000 | 16.6 | 30.4 | 37.7 | 42.0 | 45.8 | 46.7 | 47.7 | 48.6 | 47.2 | 40.2 | 37.2 | 26.3 | 2.6 |
| | 6300 | 9.2 | 17.5 | 26.6 | 33.2 | 38.1 | 38.8 | 36.4 | 39.1 | 35.7 | 30.4 | 21.9 | 7.3 | |
| | 8000 | | 7.1 | 13.7 | 16.6 | 19.3 | 19.4 | 20.2 | 15.7 | | | | | |
| | 10000 | | | | | | | | | | | | | |
| OVERALL CALCULATED | 12500 | 70.1 | 74.4 | 77.4 | 79.1 | 81.0 | 82.4 | 83.7 | 85.6 | 87.7 | 90.1 | 92.1 | 90.9 | 85.2 |
| PNDB | | 73.9 | 79.4 | 82.9 | 85.1 | 87.9 | 89.0 | 90.5 | 92.0 | 93.3 | 93.6 | 94.4 | 92.6 | 85.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 21 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in.²)

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
F. 70 PERCENT REL. HUM. DAY - 15NOV51

[illegible]

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 1 | 22 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11.1in ²) |

| | | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | O. (O.) (O.) (O.) | | PUL |
|---|--|-----|-----|-----|-----|-----|---|--|-----|------|------|------|------|------|------|------|----------------------|--|-----|
| FREQ. 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| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|---------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | FREQ. (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) |
| | | (731.52 M) | | | | | | | | | | | |
| NO EGA | | 50 | 52.9 | 58.0 | 59.1 | 62.6 | 64.9 | 65.6 | 66.6 | 68.1 | 70.4 | 74.1 | 77.5 |
| SIDELINE 2400. FT. | | 63 | 55.4 | 59.0 | 61.6 | 62.9 | 65.1 | 66.6 | 67.4 | 69.4 | 72.8 | 77.3 | 80.9 |
| (731.52 M) | | 80 | 56.1 | 59.2 | 62.1 | 63.9 | 65.4 | 67.4 | 68.9 | 70.6 | 74.1 | 80.6 | 83.2 |
| NFA (1. RPM | | 100 | 57.9 | 61.0 | 62.4 | 64.9 | 66.9 | 68.7 | 70.2 | 71.9 | 75.4 | 80.6 | 83.9 |
| NFA (0. RAD/SEC) | | 125 | 58.8 | 62.2 | 64.1 | 66.3 | 68.1 | 69.6 | 71.1 | 73.6 | 76.3 | 80.5 | 84.1 |
| NFK (1. RPM | | 160 | 61.4 | 64.9 | 66.8 | 68.1 | 68.8 | 70.6 | 72.6 | 74.6 | 76.0 | 79.9 | 82.0 |
| NFK (0. RAD/SEC) | | 200 | 59.3 | 63.0 | 66.7 | 67.5 | 69.3 | 71.3 | 72.8 | 75.3 | 77.5 | 79.4 | 79.6 |
| NFD (7500. RPM | | 250 | 59.6 | 63.9 | 66.7 | 67.5 | 70.3 | 71.8 | 73.3 | 75.3 | 77.2 | 78.3 | 76.2 |
| NFD (785. RAD/SEC) | | 315 | 59.6 | 63.9 | 67.0 | 69.4 | 70.9 | 72.1 | 73.2 | 74.4 | 77.5 | 77.5 | 75.4 |
| AIRFLOW RATIO | | 400 | 58.8 | 63.5 | 67.1 | 68.8 | 70.6 | 72.1 | 73.1 | 75.3 | 77.1 | 76.6 | 75.1 |
| WF/W 6.81 | | 500 | 58.8 | 63.5 | 66.5 | 68.1 | 70.2 | 71.0 | 72.7 | 74.9 | 75.7 | 75.2 | 73.5 |
| | | 630 | 57.4 | 62.3 | 65.7 | 68.2 | 69.1 | 71.4 | 72.1 | 74.2 | 74.7 | 74.1 | 72.5 |
| | | 800 | 56.1 | 62.2 | 65.7 | 68.2 | 69.1 | 71.4 | 72.1 | 74.2 | 74.7 | 74.1 | 72.5 |
| VEHICLE CELL41 | | 1000 | 53.7 | 61.2 | 64.1 | 66.7 | 69.8 | 71.4 | 71.8 | 73.9 | 74.6 | 72.9 | 72.4 |
| CONFIG NC40 | | 1250 | 52.3 | 58.6 | 61.1 | 65.5 | 68.7 | 70.2 | 71.2 | 73.0 | 73.4 | 72.0 | 70.6 |
| LOC C41 ANECH CH | | 1600 | 49.1 | 57.1 | 60.2 | 63.6 | 67.4 | 68.3 | 69.1 | 71.4 | 71.4 | 69.1 | 67.3 |
| DATE 05-28-76 | | 2000 | 44.8 | 53.7 | 57.2 | 60.5 | 64.6 | 66.2 | 67.2 | 68.8 | 67.9 | 66.0 | 64.3 |
| RUN CONFIOWFLWC | | 2500 | 39.9 | 49.6 | 53.8 | 58.0 | 61.5 | 63.6 | 65.0 | 65.8 | 65.8 | 62.3 | 59.7 |
| TAPE X00220 | | 3150 | 32.3 | 42.2 | 47.6 | 51.9 | 57.3 | 58.4 | 60.3 | 60.9 | 60.4 | 56.4 | 52.2 |
| FAN TIP SPEED | | 4000 | 21.5 | 34.5 | 39.5 | 44.7 | 49.2 | 50.3 | 51.7 | 52.0 | 52.8 | 47.3 | 42.7 |
| FT/SEC | | 5000 | 16.6 | 29.9 | 36.7 | 41.5 | 45.8 | 46.7 | 47.7 | 49.1 | 48.0 | 42.0 | 36.7 |
| | | 6300 | 9.2 | 17.3 | 25.9 | 32.9 | 38.1 | 39.5 | 37.1 | 39.6 | 36.9 | 31.1 | 21.6 |
| | | 8000 | | | 6.4 | 12.7 | 16.9 | 19.3 | 19.2 | 19.7 | 16.7 | 8.1 | |
| | | 10000 | | | | | | | | | | | |
| OVERALL CALCULATED | | 12500 | 69.7 | 74.2 | 77.0 | 78.9 | 81.0 | 82.6 | 83.8 | 85.8 | 87.7 | 89.9 | 91.4 |
| PNDB | | | 75.2 | 79.1 | 82.4 | 85.0 | 88.1 | 89.5 | 90.6 | 92.5 | 93.5 | 93.7 | 90.7 |
| | | | | | | | | | | | | | 85.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 22 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-.33m²(513in.²) SIZE

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| 50 | 40.4 | 50.5 | 52.4 | 55.1 | 57.1 | 56.6 | 58.1 | 59.6 | 61.4 | 64.6 | 67.5 | 68.4 | 64.7 |
| 63 | 47.6 | 51.2 | 53.8 | 55.6 | 57.4 | 57.9 | 59.6 | 61.4 | 63.3 | 66.6 | 69.9 | 69.6 | 65.9 |
| 80 | 46.6 | 51.5 | 54.4 | 56.1 | 57.6 | 58.1 | 60.6 | 62.4 | 63.9 | 67.3 | 70.4 | 70.8 | 66.0 |
| 100 | 48.9 | 52.8 | 54.6 | 56.9 | 58.4 | 58.9 | 61.7 | 63.2 | 65.1 | 66.8 | 68.9 | 69.8 | 64.7 |
| 125 | 49.8 | 53.9 | 56.1 | 57.8 | 59.6 | 59.4 | 62.4 | 63.8 | 66.1 | 67.5 | 69.6 | 67.6 | 61.7 |
| 160 | 50.9 | 54.9 | 57.0 | 59.1 | 60.3 | 60.6 | 63.3 | 64.6 | 66.0 | 67.4 | 67.7 | 64.5 | 59.2 |
| 200 | 50.8 | 54.0 | 58.9 | 59.8 | 60.8 | 61.0 | 63.3 | 65.5 | 66.7 | 68.1 | 67.1 | 64.3 | 57.4 |
| 250 | 51.1 | 55.9 | 58.4 | 60.7 | 61.7 | 62.2 | 63.5 | 65.7 | 67.1 | 68.8 | 67.5 | 63.8 | 57.3 |
| 315 | 51.6 | 56.7 | 60.9 | 61.5 | 63.6 | 63.1 | 65.1 | 66.0 | 67.7 | 68.5 | 66.9 | 63.9 | 56.9 |
| NFD 7500. RPM | 400 | 54.5 | 59.9 | 63.7 | 64.1 | 65.4 | 64.4 | 66.7 | 66.6 | 68.5 | 67.8 | 66.6 | 64.7 |
| (785. RAD/SEC) | 500 | 52.6 | 59.5 | 63.4 | 63.8 | 65.3 | 64.6 | 66.8 | 67.5 | 67.9 | 67.6 | 64.9 | 62.6 |
| AIRFLOW RATIO | 630 | 53.2 | 59.3 | 62.2 | 63.1 | 65.7 | 64.5 | 67.7 | 68.6 | 67.7 | 66.4 | 63.8 | 62.0 |
| WF/HM 6.81 | 800 | 51.1 | 57.7 | 60.2 | 63.7 | 66.6 | 65.4 | 67.8 | 70.2 | 70.5 | 66.3 | 65.6 | 63.3 |
| VEHICLE CELL41 | 1000 | 46.7 | 54.7 | 58.9 | 61.9 | 63.6 | 63.4 | 65.8 | 66.7 | 67.4 | 64.4 | 63.4 | 60.8 |
| CONFIG NC40 | 1250 | 45.1 | 52.6 | 56.6 | 59.5 | 62.7 | 62.2 | 64.9 | 65.2 | 65.1 | 63.5 | 61.1 | 58.3 |
| LGC C41 ANECH CH | 1600 | 41.1 | 50.7 | 53.9 | 57.4 | 61.1 | 60.0 | 62.6 | 63.9 | 63.2 | 60.9 | 57.9 | 53.7 |
| DATE 05-28-76 | 2000 | 37.1 | 46.7 | 51.2 | 54.8 | 58.1 | 58.2 | 60.5 | 60.8 | 60.0 | 57.0 | 53.5 | 47.9 |
| RUN CONFLOWELWC | 2500 | 32.2 | 43.1 | 47.3 | 51.8 | 55.7 | 56.6 | 58.3 | 58.3 | 57.6 | 53.1 | 48.5 | 42.4 |
| TAPE X00230 | 3150 | 24.6 | 36.0 | 41.2 | 45.2 | 50.7 | 53.9 | 53.3 | 53.0 | 52.2 | 46.7 | 41.5 | 32.6 |
| FAN TIP SPEED | 4000 | 14.0 | 28.8 | 32.8 | 37.7 | 42.0 | 45.1 | 45.0 | 44.5 | 43.6 | 37.1 | 31.5 | 18.3 |
| FT/SEC | 5000 | 8.4 | 23.5 | 29.5 | 34.1 | 38.6 | 41.2 | 41.3 | 41.1 | 38.8 | 31.1 | 24.6 | 11.3 |
| | 6300 | 7.2 | 12.9 | 20.5 | 28.7 | 35.2 | 34.6 | 30.5 | 33.4 | 29.8 | 26.0 | 11.7 | |
| | 8000 | | | 6.0 | 10.5 | 14.1 | 11.8 | 12.1 | 7.3 | | | | |
| | 10000 | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | |
| OVERALL CALCULATED | 62.5 | 67.9 | 71.3 | 72.9 | 75.0 | 74.4 | 76.8 | 78.0 | 78.8 | 78.9 | 79.2 | 78.1 | 73.1 |
| PNDB | 66.7 | 73.3 | 77.1 | 78.9 | 81.7 | 81.5 | 83.6 | 84.7 | 85.1 | 83.4 | 82.1 | 79.5 | 72.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 23 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in.²)

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
F. 70 PERCENT REL. HUM. DAY - JEHOTS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 90. | 0. | P-L |
|-------|--------|--------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|------|-----|-----|-----|-----|
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. | (0. | |

| RDG. NO. | NO EGA | RDG. NO. | 0. | RDG. NO. | 63 | RDG. NO. | 0. | RDG. NO. | 63 |
|--|--------|----------|------|----------|------|----------|------|----------|------|
| 100 | 64.6 | 73.7 | 71.9 | 72.7 | 73.3 | 74.4 | 73.3 | 74.0 | 75.4 |
| 125 | 64.6 | 68.6 | 69.6 | 71.2 | 72.5 | 73.4 | 73.2 | 74.4 | 78.2 |
| 160 | 65.1 | 68.2 | 69.7 | 69.7 | 72.0 | 73.4 | 73.2 | 75.4 | 79.7 |
| 200 | 67.3 | 69.0 | 70.5 | 72.1 | 72.7 | 73.0 | 74.2 | 76.1 | 81.6 |
| 250 | 67.6 | 70.1 | 71.3 | 71.6 | 73.0 | 74.6 | 76.0 | 77.4 | 83.4 |
| 315 | 69.4 | 71.9 | 72.4 | 74.7 | 76.3 | 76.7 | 77.8 | 79.5 | 88.1 |
| 400 | 70.4 | 72.2 | 74.5 | 75.0 | 76.3 | 77.7 | 78.1 | 81.0 | 85.5 |
| 500 | 71.3 | 72.8 | 74.3 | 75.3 | 76.7 | 77.8 | 79.4 | 83.2 | 86.8 |
| 630 | 71.9 | 73.9 | 75.1 | 76.4 | 78.0 | 78.4 | 80.5 | 82.7 | 87.6 |
| 800 | 72.6 | 74.9 | 76.2 | 76.9 | 78.5 | 79.9 | 81.3 | 83.4 | 87.2 |
| 1000 | 73.7 | 76.0 | 77.5 | 78.3 | 79.6 | 81.0 | 81.9 | 84.0 | 88.1 |
| 1250 | 73.5 | 75.8 | 78.8 | 79.6 | 79.9 | 82.1 | 82.7 | 85.1 | 87.3 |
| 1600 | 73.9 | 77.7 | 79.7 | 80.7 | 81.6 | 83.2 | 83.3 | 84.7 | 88.5 |
| 2000 | 74.9 | 77.7 | 81.2 | 81.3 | 83.6 | 83.7 | 85.3 | 86.5 | 89.5 |
| 2500 | 77.3 | 80.8 | 84.1 | 83.9 | 85.2 | 85.6 | 86.4 | 87.4 | 90.0 |
| 3150 | 76.5 | 81.3 | 83.6 | 84.3 | 85.7 | 86.5 | 87.9 | 89.4 | 90.6 |
| 4000 | 77.8 | 81.6 | 83.3 | 85.4 | 87.3 | 87.9 | 90.4 | 91.1 | 90.2 |
| 5000 | 75.6 | 79.7 | 81.2 | 83.7 | 85.6 | 87.4 | 87.8 | 90.5 | 92.3 |
| 6300 | 73.0 | 77.3 | 81.1 | 82.6 | 84.9 | 86.5 | 87.2 | 88.1 | 90.8 |
| 8000 | 72.2 | 76.1 | 78.6 | 81.6 | 84.0 | 86.1 | 86.7 | 87.9 | 88.8 |
| 10000 | 70.2 | 75.3 | 77.9 | 80.9 | 83.9 | 84.3 | 85.4 | 87.5 | 88.5 |
| 12500 | 67.6 | 73.6 | 76.0 | 78.9 | 82.2 | 83.6 | 84.9 | 85.7 | 86.0 |
| 16000 | 65.7 | 72.4 | 74.4 | 77.3 | 80.8 | 82.2 | 83.4 | 84.8 | 85.2 |
| 20000 | 62.4 | 68.5 | 71.4 | 74.2 | 78.7 | 79.1 | 80.6 | 83.2 | 80.7 |
| 25000 | 59.3 | 66.1 | 68.0 | 70.8 | 73.5 | 75.2 | 76.2 | 79.5 | 76.4 |
| 31500 | 57.3 | 63.7 | 66.2 | 68.6 | 71.8 | 72.3 | 73.5 | 75.1 | 72.3 |
| 40000 | 70.3 | 65.1 | 66.6 | 72.3 | 77.4 | 77.6 | 70.6 | 76.5 | 79.5 |
| 50000 | 52.9 | 53.1 | 57.1 | 59.1 | 61.0 | 62.0 | 60.8 | 64.4 | 65.2 |
| 63000 | 35.9 | 45.1 | 50.6 | 50.7 | 50.5 | 51.9 | 51.8 | 55.1 | 54.9 |
| 80000 | 28.8 | 39.5 | 45.7 | 43.8 | 43.2 | 44.8 | 44.2 | 46.3 | 46.7 |
| OVERALL MEASURED | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | |
| PND8 100.1 103.8 105.9 106.9 108.4 109.8 110.5 112.5 114.1 114.2 115.5 116.8 118.5 119.2 121.9 127.5 130.6 131.8 130.6 129.3 128.4 127.0 126.3 124.1 122.3 119.2 117.7 116.3 | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 1 | 24 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11.1in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | FREQ. | PROC. DATE - MONTH 8 DAY 24 HR. 18.9 | | | | | | | | | |
|--------------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| RADIO. 150. FT. | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | PUL |
| NO EGA | 50 | 74.6 | 77.1 | 77.6 | 79.9 | 81.5 | 81.9 | 83.0 | 84.7 | 87.1 | 0. |
| VEHICLE | 100 | 76.5 | 78.0 | 80.0 | 80.5 | 81.5 | 82.9 | 83.3 | 86.2 | 88.4 | 0. |
| LOC C41 ANECH CH | 125 | 77.8 | 80.1 | 82.1 | 82.7 | 83.5 | 84.8 | 86.2 | 87.1 | 89.2 | 0. |
| DATE 05-28-76 | 160 | 78.9 | 81.2 | 82.7 | 83.5 | 84.8 | 86.2 | 87.1 | 89.2 | 91.2 | 0. |
| RUN CONFLOWLWC | 200 | 78.7 | 81.0 | 84.0 | 84.8 | 85.2 | 87.3 | 87.9 | 90.3 | 92.5 | 0. |
| TAPE | 250 | 79.1 | 82.9 | 84.9 | 85.9 | 86.8 | 88.4 | 88.5 | 89.9 | 92.7 | 0. |
| BAR 29.3 HG | 315 | 80.2 | 82.9 | 86.5 | 86.5 | 88.8 | 88.9 | 90.6 | 91.7 | 93.2 | 0. |
| TAMB 61. DEG F | 400 | 81.8 | 86.6 | 88.8 | 89.6 | 91.0 | 91.8 | 92.0 | 94.4 | 95.1 | 0. |
| DIAMETER RATIO | 500 | 83.1 | 86.9 | 84.7 | 88.7 | 90.8 | 92.7 | 93.3 | 95.7 | 96.4 | 0. |
| DF/DM 6.81 | 630 | 81.0 | 85.1 | 86.6 | 89.1 | 91.0 | 92.8 | 93.2 | 95.9 | 98.1 | 0. |
| | 800 | 76.4 | 82.8 | 86.5 | 88.1 | 90.4 | 92.0 | 92.6 | 93.6 | 96.3 | 0. |
| | 1250 | 77.9 | 81.7 | 84.3 | 87.3 | 89.6 | 91.7 | 92.4 | 93.6 | 94.6 | 0. |
| | 1600 | 76.1 | 81.2 | 83.8 | 86.8 | 89.8 | 90.2 | 91.3 | 93.5 | 94.3 | 0. |
| | 2000 | 73.9 | 79.9 | 82.2 | 85.2 | 88.5 | 89.9 | 91.2 | 92.0 | 92.2 | 0. |
| | 2500 | 72.6 | 79.4 | 81.3 | 84.2 | 87.8 | 89.1 | 90.3 | 91.7 | 92.6 | 0. |
| | 3150 | 70.2 | 76.2 | 79.1 | 82.0 | 86.5 | 86.8 | 88.3 | 89.8 | 90.9 | 0. |
| | 4000 | 68.2 | 75.0 | 76.9 | 79.7 | 82.4 | 84.1 | 85.1 | 86.2 | 88.4 | 0. |
| | 5000 | 68.2 | 74.6 | 77.0 | 79.4 | 82.7 | 83.2 | 84.4 | 86.0 | 86.8 | 0. |
| | 6300 | 83.8 | 78.7 | 80.1 | 85.8 | 90.9 | 91.2 | 84.1 | 90.0 | 89.6 | 0. |
| | 8000 | 69.8 | 70.0 | 74.0 | 76.0 | 77.9 | 78.9 | 77.7 | 81.3 | 80.8 | 0. |
| | 10000 | 57.8 | 67.1 | 72.5 | 72.7 | 72.4 | 73.8 | 73.7 | 77.0 | 76.8 | 0. |
| | 12500 | 58.3 | 68.9 | 75.1 | 73.2 | 72.6 | 74.2 | 73.6 | 75.8 | 76.1 | 0. |
| OVERALL CALCULATED | 92.3 | 95.5 | 97.9 | 99.2 | 101.5 | 102.6 | 103.2 | 105.0 | 106.5 | 106.8 | 0. |
| PND | 103.8 | 105.1 | 107.4 | 109.8 | 113.2 | 114.0 | 114.3 | 116.1 | 117.2 | 117.0 | 0. |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT ACOUSTIC RANGE SIZE
 1 24 45.7m(150ft.) ARC FULL-33m²(513in.²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| 90. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.)(0.)(0.)(0.)(0.) | | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | | | | | | | | | | | | | | | | |
| (731.52 M) | | | | | | | | | | | | | | | | |
| NFA (1. RPM | | | | | | | | | | | | | | | | |
| NFK (0. RAD/SEC) | | | | | | | | | | | | | | | | |
| NFD (1. RPM | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | |
| NFD 7500. RPM | | | | | | | | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | | | | |
| WF/WM 6.81 | | | | | | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | | | | |
| CONFIG NC40 | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | | |
| DATE 05-28-76 | | | | | | | | | | | | | | | | |
| RUN CONFLOWFLWC | | | | | | | | | | | | | | | | |
| TAPE X00240 | | | | | | | | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | | | | |
| 6300 9.7 13.9 21.0 30.2 37.2 38.1 30.5 34.4 30.5 28.2 11.7 21.8 10.1 16.6 13.8 31.1 40.9 26.9 35.9 42.9 53.0 57.8 48.4 53.5 53.5 55.2 55.5 56.4 56.4 63.2 62.3 62 | | | | | | | | | | | | | | | | |

ANECCHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 1 | 24 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in. ²) |

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| | | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| | | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 76.8 | 80.1 | 80.1 | 82.2 | 84.0 | 84.4 | 76.0 | 87.7 | 90.6 | 94.4 | 99.4 | 102.3 | 102.6 |
| RGD. NO. G. | 63 | 77.9 | 80.9 | 82.4 | 82.9 | 84.3 | 85.4 | 76.3 | 89.2 | 92.7 | 96.5 | 102.7 | 103.9 | 103.9 |
| RADIAL 150. FT. | 80 | 79.5 | 81.2 | 82.7 | 83.8 | 84.6 | 86.5 | 78.1 | 90.3 | 93.0 | 98.8 | 104.3 | 106.2 | 104.7 |
| (46. M) | 100 | 80.3 | 82.3 | 83.3 | 85.1 | 86.5 | 87.3 | 79.0 | 91.4 | 94.3 | 98.4 | 104.1 | 106.5 | 104.8 |
| VEHICLE CELL41 | 125 | 81.1 | 83.4 | 84.4 | 86.4 | 87.5 | 88.4 | 80.0 | 92.6 | 95.1 | 98.4 | 103.6 | 104.8 | 103.4 |
| CONFIG NC4Q | 160 | 83.2 | 85.7 | 87.4 | 88.5 | 89.7 | 81.3 | 81.3 | 94.2 | 96.2 | 99.5 | 102.5 | 101.6 | 100.4 |
| LOC C41 ANECH CH | 200 | 82.7 | 85.0 | 88.3 | 88.3 | 88.4 | 90.0 | 81.4 | 94.3 | 97.0 | 99.4 | 101.3 | 100.5 | 97.5 |
| DATE 05-28-76 | 250 | 83.6 | 86.6 | 87.7 | 89.2 | 89.8 | 91.6 | 82.0 | 94.4 | 97.7 | 99.7 | 100.4 | 99.4 | 96.6 |
| RUN CONFILOWFLWC | 315 | 84.2 | 87.4 | 89.7 | 90.0 | 91.3 | 92.2 | 83.6 | 95.7 | 98.0 | 99.5 | 100.5 | 99.9 | 96.7 |
| TAPE X00250 | 400 | 86.8 | 90.3 | 92.8 | 92.8 | 92.1 | 93.0 | 94.1 | 84.2 | 96.4 | 99.7 | 100.6 | 100.5 | 99.1 |
| BAR 29.3 HG | 500 | 89.3 | 92.6 | 93.3 | 92.9 | 96.2 | 96.8 | 87.0 | 99.1 | 100.3 | 100.7 | 100.9 | 101.0 | 102.3 |
| (99111. N/M2) | 630 | 98.1 | 100.2 | 97.7 | 98.5 | 103.8 | 105.2 | 94.5 | 107.0 | 104.7 | 106.5 | 105.0 | 107.9 | 111.7 |
| TAMB 61. DEG F | 800 | 86.8 | 89.8 | 92.6 | 96.1 | 98.0 | 97.3 | 88.0 | 101.6 | 100.6 | 99.9 | 99.3 | 99.5 | 99.8 |
| (289. DEG K) | 1000 | 82.7 | 89.0 | 92.0 | 92.8 | 94.1 | 95.8 | 86.1 | 97.8 | 99.3 | 98.7 | 99.3 | 99.5 | 99.8 |
| TWET 58. DEG F | 1250 | 82.9 | 89.0 | 90.1 | 92.3 | 94.6 | 95.5 | 87.1 | 97.8 | 99.3 | 99.2 | 99.6 | 100.0 | 101.5 |
| (288. DEG K) | 1600 | 80.6 | 87.7 | 89.3 | 91.5 | 94.6 | 95.2 | 85.8 | 97.8 | 98.3 | 97.9 | 98.3 | 98.7 | 99.4 |
| HACT11.51 GM/M3 | 2000 | 78.9 | 86.4 | 88.0 | 90.0 | 92.8 | 93.9 | 85.2 | 96.7 | 97.2 | 96.4 | 96.6 | 96.6 | 98.9 |
| (.01151 KG/M3) | 2500 | 77.1 | 85.1 | 86.3 | 89.5 | 92.0 | 92.6 | 84.6 | 96.0 | 96.3 | 94.8 | 94.9 | 95.4 | 96.9 |
| FREQ. SHIFT | 3150 | 75.2 | 82.7 | 84.1 | 86.7 | 91.2 | 91.1 | 83.1 | 94.0 | 95.4 | 93.2 | 93.3 | 93.4 | 94.3 |
| JET 8 | 4000 | 72.4 | 80.5 | 81.4 | 84.4 | 87.6 | 88.4 | 79.6 | 91.0 | 92.7 | 90.6 | 92.1 | 89.1 | 90.2 |
| DIAMETER RATIO | 5000 | 71.4 | 80.3 | 82.0 | 84.4 | 87.0 | 87.7 | 78.9 | 91.2 | 91.8 | 88.7 | 89.9 | 88.7 | 88.9 |
| DF/DW 6.81 | 6300 | 83.3 | 79.9 | 82.1 | 85.8 | 90.6 | 90.7 | 77.1 | 92.0 | 91.4 | 93.0 | 89.1 | 89.1 | 89.1 |
| | 8000 | 69.8 | 73.7 | 77.5 | 79.3 | 80.4 | 81.7 | 72.4 | 85.3 | 85.6 | 85.1 | 84.7 | 81.1 | 82.2 |
| | 10000 | 62.5 | 71.6 | 75.8 | 76.7 | 76.4 | 77.8 | 69.7 | 82.0 | 82.0 | 80.9 | 81.5 | 76.3 | 78.1 |
| | 12500 | 64.8 | 73.4 | 77.6 | 76.7 | 75.9 | 78.2 | 71.4 | 81.8 | 81.6 | 81.7 | 75.0 | 77.7 | 77.7 |
| OVERALL CALCULATED | 100.2 | 103.0 | 103.2 | 104.4 | 107.6 | 108.6 | 98.8 | 111.1 | 111.3 | 112.5 | 114.1 | 115.4 | 116.1 | 116.1 |
| PNOB | 109.0 | 112.5 | 112.7 | 114.4 | 117.6 | 118.6 | 108.8 | 121.1 | 121.5 | 121.8 | 122.1 | 123.0 | 124.6 | 124.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 25 | 45.7m(150ft.) ARC | FULL-33m ² (513in. ²) |

PROC. DATE - MONTH 8 DAY 24 HR. 18.9

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|-------|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | FREQ. | FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| SIDELINE 2400. FT. | 50 | 48.7 | 53.5 | 54.6 | 57.4 | 59.6 | 60.1 | 51.6 | 62.9 | 65.1 | 67.8 | 71.2 | 71.9 | 68.7 |
| (731.52 M) | 63 | 49.0 | 54.2 | 56.8 | 58.1 | 59.9 | 61.1 | 51.9 | 64.4 | 67.1 | 69.8 | 74.4 | 73.3 | 69.9 |
| NFA | 80 | 51.1 | 54.5 | 57.1 | 58.9 | 60.1 | 62.1 | 53.6 | 65.4 | 67.4 | 72.1 | 75.9 | 75.6 | 70.5 |
| (1. RPM) | 100 | 51.9 | 55.5 | 57.6 | 60.2 | 61.9 | 62.9 | 54.4 | 66.4 | 68.6 | 71.6 | 75.7 | 75.8 | 70.4 |
| (0. RAD/SEC) | 125 | 52.5 | 56.4 | 58.6 | 61.3 | 62.9 | 63.9 | 55.4 | 67.6 | 69.3 | 71.5 | 75.1 | 73.9 | 68.7 |
| NFK | 160 | 54.4 | 58.6 | 61.5 | 62.3 | 63.6 | 65.1 | 56.6 | 69.1 | 70.3 | 72.4 | 73.7 | 70.5 | 65.5 |
| (1. RPM) | 200 | 53.8 | 57.8 | 62.2 | 63.0 | 63.5 | 65.3 | 56.5 | 69.0 | 70.9 | 72.1 | 72.4 | 69.1 | 62.2 |
| (0. RAD/SEC) | 250 | 54.4 | 59.2 | 61.4 | 63.7 | 64.7 | 66.7 | 57.0 | 68.9 | 71.4 | 72.3 | 71.2 | 67.6 | 60.8 |
| NFD | 315 | 54.6 | 59.7 | 63.2 | 64.3 | 66.1 | 67.1 | 58.3 | 70.0 | 71.4 | 71.8 | 70.9 | 67.7 | 60.2 |
| (785. RAD/SEC) | 400 | 56.8 | 62.2 | 66.0 | 66.1 | 67.4 | 68.7 | 58.7 | 70.4 | 72.7 | 71.5 | 70.6 | 67.6 | 64.0 |
| AIRFLOW RATIO | 500 | 58.8 | 64.0 | 66.1 | 66.5 | 70.3 | 71.1 | 61.1 | 72.8 | 73.1 | 72.1 | 70.4 | 67.6 | 64.0 |
| WF/JM 6.81 | 630 | 66.9 | 71.0 | 70.0 | 71.6 | 77.5 | 79.0 | 68.2 | 80.1 | 77.0 | 77.4 | 73.8 | 73.5 | 72.0 |
| VEHICLE | 800 | 54.0 | 59.9 | 64.2 | 68.7 | 71.1 | 70.6 | 61.1 | 74.2 | 72.2 | 70.1 | 67.8 | 66.8 | 63.4 |
| CELL41 | 1000 | 49.5 | 58.2 | 62.9 | 64.7 | 66.6 | 68.4 | 58.6 | 69.7 | 70.1 | 67.9 | 66.2 | 62.6 | 56.3 |
| CONFIG | 1250 | 48.4 | 57.1 | 59.9 | 63.2 | 66.2 | 67.2 | 58.7 | 68.7 | 69.1 | 67.3 | 65.1 | 61.3 | 55.4 |
| LOC C41 ANECH CH | 1600 | 44.1 | 54.2 | 57.7 | 61.1 | 64.9 | 65.7 | 56.1 | 67.4 | 66.9 | 64.4 | 61.9 | 57.5 | 49.6 |
| DATE 05-28-76 | 2000 | 40.1 | 50.9 | 54.7 | 58.0 | 61.6 | 63.0 | 54.0 | 64.8 | 64.0 | 61.0 | 57.8 | 52.4 | 44.6 |
| RUN CONFILOWFLWC | 2500 | 34.9 | 46.9 | 50.6 | 55.3 | 58.7 | 59.6 | 51.3 | 61.8 | 60.6 | 56.6 | 52.8 | 46.9 | 36.2 |
| TAPE X00250 | 3150 | 27.6 | 40.0 | 44.4 | 48.9 | 54.5 | 54.7 | 46.3 | 56.2 | 55.7 | 50.5 | 45.8 | 37.9 | 23.3 |
| FAN TIP SPEED | 4000 | 16.8 | 31.0 | 35.8 | 41.2 | 45.7 | 46.9 | 37.7 | 47.8 | 47.1 | 41.1 | 36.5 | 23.1 | 3.7 |
| FT/SEC | 5000 | 11.1 | 27.0 | 33.0 | 38.1 | 42.1 | 43.2 | 34.0 | 44.9 | 42.8 | 35.3 | 29.6 | 16.6 | |
| | 6300 | 9.2 | 15.1 | 23.0 | 30.2 | 37.0 | 37.6 | 23.5 | 36.4 | 32.3 | 28.2 | 15.0 | | |
| | 8000 | | | 3.0 | 9.5 | 13.2 | 15.4 | 5.3 | 15.6 | 11.0 | 2.7 | | | |
| OVERALL CALCULATED | 12500 | 69.2 | 73.8 | 75.3 | 77.1 | 80.7 | 81.9 | 71.9 | 83.8 | 83.3 | 83.8 | 84.4 | 83.2 | 78.9 |
| PND8 | | 74.8 | 80.4 | 81.7 | 84.0 | 88.1 | 89.4 | 79.3 | 91.2 | 90.0 | 89.7 | 87.9 | 85.9 | 81.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 25 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in.²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| I | 26 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11.1in ²) |

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|-------|
| NO EGA | 50 | 77.6 | 80.6 | 80.6 | 82.4 | 84.3 | 84.6 | 85.8 | 87.9 | 90.9 | 94.4 | 99.6 | 102.6 | 102.4 | | | | 147.7 |
| RDG. NO. | 63 | 78.6 | 80.7 | 83.9 | 83.2 | 84.5 | 86.2 | 87.0 | 89.7 | 92.4 | 96.7 | 101.7 | 103.6 | 103.4 | | | | 147.1 |
| RADIAL 150. FT. | 80 | 80.0 | 81.0 | 83.0 | 83.8 | 84.9 | 86.7 | 87.9 | 90.5 | 93.2 | 98.3 | 103.0 | 105.4 | 104.0 | | | | 150.4 |
| (46. M) | 100 | 80.0 | 82.6 | 83.8 | 84.9 | 86.2 | 87.6 | 89.2 | 91.6 | 94.1 | 97.9 | 102.6 | 106.0 | 103.8 | | | | 150.6 |
| VEHICLE | 125 | 81.3 | 83.9 | 84.9 | 86.1 | 87.7 | 89.1 | 91.2 | 92.9 | 95.4 | 98.4 | 102.4 | 103.8 | 101.6 | | | | 149.8 |
| CELL41 | 160 | 82.9 | 85.4 | 86.9 | 87.7 | 88.8 | 90.2 | 92.1 | 94.0 | 95.9 | 98.5 | 101.5 | 100.4 | 98.7 | | | | 148.7 |
| CONFIG NC40 | 200 | 82.7 | 85.0 | 87.8 | 88.3 | 88.9 | 91.0 | 92.4 | 95.1 | 97.0 | 99.1 | 100.3 | 100.2 | 96.5 | | | | 148.7 |
| LOC C41 ANECH CH | 250 | 83.6 | 86.9 | 88.2 | 88.4 | 89.4 | 91.9 | 92.8 | 94.9 | 97.7 | 99.5 | 100.4 | 99.9 | 96.6 | | | | 148.9 |
| DATE 05-28-76 | 315 | 84.2 | 87.9 | 90.0 | 90.0 | 91.1 | 92.4 | 94.1 | 96.0 | 98.5 | 99.5 | 100.0 | 100.2 | 96.7 | | | | 149.4 |
| RUN CONFILOWFLWC | 400 | 86.8 | 90.3 | 92.1 | 91.6 | 93.2 | 94.1 | 95.0 | 96.4 | 98.5 | 99.5 | 100.0 | 100.2 | 96.7 | | | | 150.3 |
| TAPE X00260 | 500 | 88.8 | 93.3 | 93.1 | 93.1 | 95.7 | 96.3 | 97.5 | 98.4 | 99.6 | 100.2 | 101.1 | 102.6 | 101.8 | | | | 151.7 |
| BAR 29.3 HG | 630 | 96.9 | 101.9 | 99.2 | 97.7 | 102.8 | 104.4 | 104.8 | 105.2 | 100.2 | 104.3 | 102.7 | 109.1 | 110.2 | | | | 157.7 |
| (99111. N/M2) | 800 | 85.3 | 89.6 | 91.3 | 93.9 | 95.2 | 95.8 | 96.9 | 100.4 | 100.6 | 99.9 | 101.1 | 102.5 | 103.3 | | | | 152.1 |
| TAMD 63. DEG F | 1000 | 84.2 | 89.2 | 90.8 | 91.6 | 93.6 | 95.2 | 96.1 | 97.8 | 100.3 | 99.1 | 100.3 | 102.0 | 101.2 | | | | 151.0 |
| (290. DEG K) | 1250 | 83.1 | 88.5 | 88.8 | 91.3 | 93.9 | 95.5 | 96.4 | 97.8 | 99.3 | 99.2 | 100.1 | 102.0 | 102.2 | | | | 151.0 |
| THWT 60. DEG F | 1600 | 81.8 | 87.7 | 88.5 | 90.7 | 93.8 | 93.9 | 95.3 | 97.7 | 98.7 | 98.4 | 98.1 | 100.9 | 101.9 | | | | 150.2 |
| (289. DEG K) | 2000 | 79.6 | 86.6 | 86.7 | 89.2 | 92.0 | 93.3 | 94.9 | 96.2 | 97.0 | 96.4 | 96.3 | 98.6 | 98.8 | | | | 148.6 |
| HACT12.37 GM/M3 | 2500 | 78.0 | 85.1 | 85.0 | 87.9 | 91.5 | 92.3 | 94.0 | 95.9 | 96.5 | 94.7 | 94.9 | 96.4 | 97.8 | | | | 147.7 |
| (.01237 KG/M3) | 3150 | 75.3 | 82.6 | 83.3 | 85.6 | 89.6 | 90.2 | 93.0 | 93.7 | 95.5 | 93.3 | 93.2 | 94.3 | 95.0 | | | | 146.2 |
| FREQ. SHIFT | 4000 | 73.1 | 80.8 | 81.0 | 83.3 | 86.8 | 87.5 | 89.3 | 90.3 | 92.5 | 90.7 | 91.5 | 90.5 | 91.3 | | | | 143.5 |
| JET 8 | 5000 | 72.1 | 80.6 | 81.6 | 83.0 | 86.5 | 86.7 | 88.2 | 90.3 | 91.4 | 88.5 | 89.7 | 90.0 | 90.2 | | | | 142.8 |
| DIAMETER RATIO | 6300 | 63.1 | 80.4 | 82.1 | 86.3 | 90.9 | 91.2 | 86.9 | 91.7 | 91.9 | 93.2 | 89.0 | 90.1 | 90.2 | | | | 145.2 |
| DF/DM 6.81 | 8000 | 71.3 | 74.7 | 77.0 | 79.2 | 80.1 | 81.7 | 81.6 | 84.8 | 85.3 | 84.8 | 83.4 | 83.3 | 83.2 | | | | 138.5 |
| | 10000 | 62.5 | 72.0 | 75.1 | 76.1 | 77.5 | 77.6 | 81.4 | 81.9 | 80.5 | 79.8 | 79.7 | 79.2 | 79.2 | | | | 136.1 |
| | 12500 | 64.5 | 74.5 | 77.2 | 76.3 | 75.5 | 77.4 | 77.6 | 79.6 | 81.2 | 79.7 | 79.5 | 76.4 | 78.4 | | | | 137.3 |
| OVERALL CALCULATED | 99.5 | 104.1 | 103.3 | 103.6 | 106.7 | 108.0 | 108.9 | 110.3 | 110.7 | 111.9 | 113.4 | 115.8 | 115.3 | 115.3 | | | | 163.8 |
| PNDB | 106.6 | 113.4 | 112.9 | 113.4 | 116.8 | 118.1 | 118.9 | 120.4 | 121.4 | 121.4 | 121.1 | 121.7 | 124.1 | 124.1 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 1 | 26 | 45.7m(150ft.) ARC |

SIZE
FULL-.33m²(513in.²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | |
|--|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | | | |
| FREQ. (0.70) (0.37) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. 0.) (0.) (0.) | | | | | | | | | | | | | | | | | | |
| NO EGA | 50.4 | 54.0 | 55.1 | 57.6 | 59.9 | 60.4 | 61.4 | 63.1 | 65.4 | 67.8 | 71.5 | 72.1 | 68.5 | | | | | |
| SIDELINE 2400. FT. | 63 | 50.4 | 54.0 | 57.3 | 58.4 | 60.1 | 61.9 | 62.6 | 64.9 | 66.8 | 70.1 | 73.4 | 73.1 | 69.4 | | | | |
| (731.52 M) | 80 | 51.6 | 54.2 | 57.4 | 58.9 | 60.4 | 62.6 | 63.4 | 65.6 | 67.6 | 71.6 | 74.7 | 74.8 | 69.8 | | | | |
| NFA | 100 | 52.1 | 55.8 | 58.1 | 59.9 | 61.7 | 63.2 | 64.7 | 66.7 | 68.4 | 71.1 | 74.2 | 75.3 | 69.4 | | | | |
| (1. RPM | 125 | 52.8 | 56.9 | 59.1 | 61.1 | 63.1 | 64.6 | 66.6 | 67.8 | 69.6 | 71.5 | 73.8 | 72.9 | 67.0 | | | | |
| (0. RAD/SEC) | 160 | 54.2 | 58.4 | 61.0 | 62.6 | 64.1 | 65.6 | 67.3 | 68.8 | 70.0 | 71.4 | 72.7 | 69.2 | 63.7 | | | | |
| INFK | 200 | 53.8 | 57.8 | 61.7 | 63.0 | 64.0 | 66.3 | 67.5 | 69.8 | 71.0 | 71.9 | 71.4 | 68.8 | 61.2 | | | | |
| (0. RAD/SEC) | 250 | 54.4 | 59.4 | 61.9 | 62.9 | 64.7 | 67.0 | 67.7 | 69.4 | 71.4 | 72.0 | 71.2 | 68.1 | 60.3 | | | | |
| NFD | 315 | 54.6 | 60.2 | 63.4 | 64.3 | 65.8 | 67.3 | 68.8 | 70.3 | 71.9 | 71.8 | 70.4 | 67.9 | 60.2 | | | | |
| (785. RAD/SEC) | 400 | 56.8 | 62.2 | 65.2 | 65.6 | 67.7 | 68.7 | 69.4 | 70.4 | 72.5 | 71.5 | 70.6 | 69.1 | 63.5 | | | | |
| AIRFLOW RATIO | 500 | 58.3 | 64.8 | 65.9 | 66.8 | 69.8 | 70.6 | 71.6 | 72.0 | 72.4 | 72.5 | 71.5 | 74.8 | 70.5 | | | | |
| WF/WX 6.81 | 630 | 65.7 | 72.8 | 71.5 | 70.9 | 76.5 | 78.3 | 78.5 | 78.4 | 72.5 | 75.2 | 71.5 | 74.8 | 70.5 | | | | |
| VEHICLE | 800 | 53.1 | 59.7 | 62.9 | 66.4 | 68.3 | 69.1 | 70.1 | 72.9 | 72.2 | 70.1 | 69.0 | 67.0 | 61.9 | | | | |
| LOC | 1000 | 51.0 | 58.5 | 61.6 | 63.4 | 66.1 | 67.9 | 68.6 | 69.6 | 71.1 | 68.4 | 67.1 | 65.0 | 57.8 | | | | |
| CONF | 1250 | 48.6 | 56.6 | 58.6 | 62.2 | 65.4 | 67.2 | 67.9 | 68.7 | 69.1 | 67.3 | 65.5 | 63.3 | 56.1 | | | | |
| LOC C41 ANECH CH | 1600 | 45.3 | 54.1 | 56.9 | 60.4 | 64.1 | 64.4 | 65.6 | 67.4 | 67.2 | 64.9 | 61.6 | 59.7 | 52.1 | | | | |
| DATE 05-28-76 | 2000 | 40.8 | 51.1 | 53.4 | 57.3 | 60.8 | 62.4 | 63.7 | 64.3 | 63.7 | 60.9 | 57.5 | 54.4 | 44.6 | | | | |
| RUN CONF1LOWFLWC | 2500 | 35.9 | 46.8 | 49.3 | 53.8 | 58.2 | 59.3 | 60.7 | 61.8 | 60.8 | 56.5 | 52.7 | 47.8 | 37.1 | | | | |
| TAPE | 3150 | 27.8 | 39.9 | 43.6 | 47.9 | 52.9 | 53.8 | 56.3 | 55.9 | 55.9 | 50.6 | 45.7 | 38.8 | 24.0 | | | | |
| X00260 | 4000 | 17.4 | 31.4 | 35.4 | 40.1 | 44.9 | 46.0 | 47.4 | 47.1 | 46.9 | 41.2 | 35.9 | 24.5 | 4.9 | | | | |
| FAN TIP SPEED | 5000 | 11.8 | 27.3 | 32.6 | 36.7 | 41.7 | 42.3 | 43.4 | 44.0 | 42.4 | 35.1 | 29.4 | 17.9 | | | | | |
| FT/SEC | 6300 | 9.0 | 15.6 | 23.0 | 30.8 | 37.3 | 38.1 | 33.3 | 36.2 | 32.8 | 28.4 | 15.0 | 0.2 | | | | | |
| | 8000 | | 2.4 | 9.5 | 13.0 | 15.4 | 14.5 | 15.1 | 10.7 | | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 12500 | 68.5 | 74.9 | 75.5 | 76.4 | 79.9 | 81.4 | 82.1 | 83.0 | 82.6 | 83.1 | 83.6 | 83.1 | 77.9 | | | | |
| PND8 | | 74.1 | 81.4 | 82.1 | 83.2 | 87.4 | 88.9 | 89.6 | 90.3 | 88.6 | 88.7 | 86.8 | 86.7 | 80.8 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 26 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in.²)

| ANGLE | IN INCHES | IN DEGREES | (AND RADIANS) | SEC. PAUL |
|--------|-----------|------------|---------------|-----------|
| 40. | 50. | 60. | 70. | 80. |
| (0.70) | (0.87) | (1.05) | (1.22) | (1.40) |
| 90. | 100. | 110. | 120. | 130. |
| (1.57) | (1.75) | (1.92) | (2.09) | (2.27) |
| 140. | 150. | 160. | 170. | 180. |
| (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |

| RDG. NO. | NO EGA | 63 |
|--------------------|--------|-------|
| RADIAL 40. FT. | 100 | 73.9 |
| (12. M) | 125 | 73.8 |
| VEHICLE CELL41 | 160 | 74.9 |
| CONFIG MC4D | 200 | 76.8 |
| LOC C41 ANECH CH | 250 | 77.1 |
| DATE 05-26-76 | 315 | 78.7 |
| RUN CONFLOFLWC | 400 | 80.7 |
| TAPE X00280 | 500 | 81.8 |
| BAR 29.3 HG | 630 | 83.1 |
| (99111. M/H2) | 800 | 85.4 |
| TAMB 63. DEG F | 1000 | 89.2 |
| (290. DEG K) | 1250 | 86.5 |
| TWET 59. DEG F | 1600 | 86.6 |
| (238. DEG K) | 2000 | 87.7 |
| HACT11.64 GM/M3 | 2500 | 86.8 |
| (.01164 KG/M3) | 3150 | 86.7 |
| FREQ. SHIFT | 4000 | 85.5 |
| JET O | 5000 | 84.4 |
| DIAMETER RATIO | 6300 | 84.0 |
| DF/DM 1 | 8000 | 83.2 |
| | 10000 | 81.7 |
| | 12500 | 79.8 |
| | 16000 | 77.7 |
| | 20000 | 74.4 |
| | 25000 | 71.3 |
| | 31500 | 68.4 |
| | 40000 | 70.1 |
| | 50000 | 56.2 |
| | 63000 | 47.5 |
| | 80000 | 39.5 |
| OVERALL MEASURED | | 97.0 |
| OVERALL CALCULATED | | 110.2 |
| PND8 | | 110.2 |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACGUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 1 | 28 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11.lin ²) |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 8 DAY 24 HR. 18.9

| FREQ. | RDG. NO. | NO. EGA | VEHICLE | CONFIG | LOC | DATE | TAP | BAR | TAMB | TWT | HACT | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | | | | | | | PWL |
|--------------------|----------|---------|---------|--------|------|-------|-------|-------|-------|-------|-------|-------|---|-------|-------|-----|-----|-----|------|------|------|------|-----|
| | | | | | | | | | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | |
| 50 | 83.8 | 87.4 | 86.6 | 89.2 | 91.3 | 92.1 | 93.3 | 94.7 | 98.9 | 104.2 | 108.6 | 111.1 | 110.9 | 156.3 | | | | | | | | | |
| 63 | 85.9 | 87.7 | 89.4 | 89.9 | 91.3 | 92.9 | 94.3 | 96.9 | 101.2 | 107.5 | 112.2 | 112.9 | 111.4 | 153.5 | | | | | | | | | |
| 80 | 87.0 | 88.0 | 89.7 | 90.8 | 92.1 | 94.5 | 96.1 | 98.5 | 102.5 | 110.3 | 114.5 | 114.9 | 113.0 | 160.7 | | | | | | | | | |
| 100 | 88.3 | 90.1 | 90.3 | 92.4 | 94.0 | 95.3 | 97.7 | 100.4 | 104.8 | 112.2 | 116.1 | 116.8 | 114.3 | 162.4 | | | | | | | | | |
| 125 | 90.6 | 91.9 | 92.1 | 93.6 | 95.2 | 96.9 | 98.7 | 101.6 | 105.9 | 112.9 | 117.9 | 118.1 | 116.6 | 163.5 | | | | | | | | | |
| 160 | 94.4 | 95.9 | 96.4 | 96.2 | 97.3 | 98.4 | 100.1 | 102.5 | 105.9 | 112.5 | 116.7 | 116.6 | 116.2 | 163.1 | | | | | | | | | |
| 200 | 91.7 | 93.5 | 95.8 | 96.3 | 97.7 | 99.3 | 100.7 | 103.6 | 107.0 | 111.6 | 115.3 | 116.0 | 114.5 | 162.2 | | | | | | | | | |
| 250 | 91.9 | 94.1 | 94.2 | 95.4 | 97.3 | 99.6 | 100.8 | 103.7 | 107.2 | 111.5 | 113.7 | 114.4 | 113.1 | 161.1 | | | | | | | | | |
| 315 | 92.9 | 94.4 | 96.0 | 96.0 | 98.1 | 99.4 | 101.8 | 104.7 | 107.5 | 110.3 | 112.0 | 113.4 | 111.4 | 160.2 | | | | | | | | | |
| 400 | 92.0 | 94.3 | 95.8 | 97.1 | 99.0 | 99.8 | 102.0 | 104.4 | 107.8 | 109.4 | 110.9 | 112.0 | 109.6 | 159.4 | | | | | | | | | |
| 500 | 92.0 | 94.6 | 96.4 | 97.6 | 99.5 | 100.1 | 102.0 | 105.1 | 107.6 | 109.7 | 110.9 | 111.3 | 109.1 | 159.3 | | | | | | | | | |
| 630 | 90.9 | 93.2 | 95.7 | 97.2 | 98.3 | 99.4 | 101.8 | 105.0 | 106.9 | 108.5 | 109.7 | 109.1 | 106.9 | 159.3 | | | | | | | | | |
| 800 | 89.6 | 93.3 | 95.6 | 97.4 | 98.5 | 100.3 | 102.2 | 105.1 | 107.1 | 108.4 | 109.4 | 108.5 | 105.8 | 158.1 | | | | | | | | | |
| 1000 | 89.4 | 93.3 | 94.8 | 96.8 | 98.9 | 101.0 | 102.9 | 104.8 | 106.8 | 107.4 | 109.3 | 108.5 | 106.3 | 158.0 | | | | | | | | | |
| 1250 | 88.9 | 92.0 | 94.1 | 96.8 | 99.1 | 100.5 | 102.9 | 105.3 | 106.1 | 107.2 | 109.1 | 108.0 | 107.5 | 157.9 | | | | | | | | | |
| 1600 | 87.6 | 92.4 | 93.5 | 96.0 | 98.8 | 99.9 | 101.6 | 105.3 | 105.5 | 106.4 | 108.1 | 107.9 | 107.2 | 157.9 | | | | | | | | | |
| 2000 | 86.1 | 90.9 | 93.3 | 95.5 | 98.0 | 99.4 | 101.2 | 103.5 | 104.3 | 104.5 | 106.3 | 106.4 | 106.9 | 156.2 | | | | | | | | | |
| 2500 | 84.6 | 90.1 | 91.6 | 94.8 | 97.8 | 98.6 | 100.6 | 102.5 | 104.3 | 103.6 | 104.9 | 106.2 | 105.6 | 155.6 | | | | | | | | | |
| 3150 | 82.2 | 88.0 | 89.9 | 92.5 | 96.5 | 97.3 | 99.3 | 101.0 | 102.9 | 102.0 | 104.3 | 103.7 | 104.3 | 154.4 | | | | | | | | | |
| 4000 | 80.2 | 86.5 | 87.9 | 90.7 | 93.7 | 94.4 | 96.2 | 98.2 | 100.4 | 99.4 | 103.4 | 100.7 | 100.7 | 152.3 | | | | | | | | | |
| 5000 | 79.2 | 86.1 | 89.1 | 91.2 | 94.0 | 94.7 | 95.4 | 98.5 | 99.6 | 98.5 | 101.9 | 101.0 | 101.2 | 152.0 | | | | | | | | | |
| 6300 | 83.6 | 84.2 | 87.6 | 90.9 | 93.4 | 94.2 | 93.7 | 97.5 | 98.7 | 98.1 | 101.1 | 99.2 | 99.2 | 151.6 | | | | | | | | | |
| 8000 | 73.1 | 79.8 | 84.6 | 86.4 | 87.2 | 88.8 | 89.7 | 93.9 | 94.4 | 94.2 | 99.0 | 95.0 | 95.0 | 148.8 | | | | | | | | | |
| 10000 | 69.4 | 77.2 | 83.2 | 84.3 | 83.8 | 86.0 | 87.1 | 91.1 | 92.9 | 92.9 | 97.4 | 93.2 | 93.4 | 148.1 | | | | | | | | | |
| 12500 | 68.9 | 77.6 | 85.6 | 84.9 | 84.1 | 86.9 | 87.3 | 90.5 | 93.4 | 93.4 | 100.2 | 93.2 | 94.4 | 151.2 | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | 172.8 | | | | | | | | |
| PNDB | | | | | | | | | | | | | | | 172.8 | | | | | | | | |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 1 | 28 | 731.5m(2400ft.) SIDELINE | FULL--33m ² (513in. ²) |

| RDG. NO. | NO. EG | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | 132.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------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-|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
| | | | | | | | 90. | 100. | 110. | 120. | 130. | | 140. | 150. | 160. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) | (4.20) | (4.38) | (4.56) | (4.74) | (4.91) | (5.09) | (5.27) | (5.45) | (5.63) | (5.81) | (5.99) | (6.17) | (6.35) | (6.53) | (6.71) | (6.89) | (7.07) | (7.25) | (7.43) | (7.61) | (7.79) | (7.97) | (8.15) | (8.33) | (8.51) | (8.69) | (8.87) | (9.05) | (9.23) | (9.41) | (9.59) | (9.77) | (9.95) | (10.13) | (10.31) | (10.49) | (10.67) | (10.85) | (11.03) | (11.21) | (11.39) | (11.57) | (11.75) | (11.93) | (12.11) | (12.29) | (12.47) | (12.65) | (12.83) | (13.01) | (13.19) | (13.37) | (13.55) | (13.73) | (13.91) | (14.09) | (14.27) | (14.45) | (14.63) | (14.81) | (14.99) | (15.17) | (15.35) | (15.53) | (15.71) | (15.89) | (16.07) | (16.25) | (16.43) | (16.61) | (16.79) | (16.97) | (17.15) | (17.33) | (17.51) | (17.69) | (17.87) | (18.05) | (18.23) | (18.41) | (18.59) | (18.77) | (18.95) | (19.13) | (19.31) | (19.49) | (19.67) | (19.85) | (20.03) | (20.21) | (20.39) | (20.57) | (20.75) | (20.93) | (21.11) | (21.29) | (21.47) | (21.65) | (21.83) | (22.01) | (22.19) | (22.37) | (22.55) | (22.73) | (22.91) | (23.09) | (23.27) | (23.45) | (23.63) | (23.81) | (23.99) | (24.17) | (24.35) | (24.53) | (24.71) | (24.89) | (25.07) | (25.25) | (25.43) | (25.61) | (25.79) | (25.97) | (26.15) | (26.33) | (26.51) | (26.69) | (26.87) | (27.05) | (27.23) | (27.41) | (27.59) | (27.77) | (27.95) | (28.13) | (28.31) | (28.49) | (28.67) | (28.85) | (29.03) | (29.21) | (29.39) | (29.57) | (29.75) | (29.93) | (30.11) | (30.29) | (30.47) | (30.65) | (30.83) | (31.01) | (31.19) | (31.37) | (31.55) | (31.73) | (31.91) | (32.09) | (32.27) | (32.45) | (32.63) | (32.81) | (32.99) | (33.17) | (33.35) | (33.53) | (33.71) | (33.89) | (34.07) | (34.25) | (34.43) | (34.61) | (34.79) | (34.97) | (35.15) | (35.33) | (35.51) | (35.69) | (35.87) | (36.05) | (36.23) | (36.41) | (36.59) | (36.77) | (36.95) | (37.13) | (37.31) | (37.49) | (37.67) | (37.85) | (38.03) | (38.21) | (38.39) | (38.57) | (38.75) | (38.93) | (39.11) | (39.29) | (39.47) | (39.65) | (39.83) | (39.99) | (40.17) | (40.35) | (40.53) | (40.71) | (40.89) | (41.07) | (41.25) | (41.43) | (41.61) | (41.79) | (41.97) | (42.15) | (42.33) | (42.51) | (42.69) | (42.87) | (43.05) | (43.23) | (43.41) | (43.59) | (43.77) | (43.95) | (44.13) | (44.31) | (44.49) | (44.67) | (44.85) | (45.03) | (45.21) | (45.39) | (45.57) | (45.75) | (45.93) | (46.11) | (46.29) | (46.47) | (46.65) | (46.83) | (47.01) | (47.19) | (47.37) | (47.55) | (47.73) | (47.91) | (48.09) | (48.27) | (48.45) | (48.63) | (48.81) | (48.99) | (49.17) | (49.35) | (49.53) | (49.71) | (49.89) | (50.07) | (50.25) | (50.43) | (50.61) | (50.79) | (50.97) | (51.15) | (51.33) | (51.51) | (51.69) | (51.87) | (52.05) | (52.23) | (52.41) | (52.59) | (52.77) | (52.95) | (53.13) | (53.31) | (53.49) | (53.67) | (53.85) | (54.03) | (54.21) | (54.39) | (54.57) | (54.75) | (54.93) | (55.11) | (55.29) | (55.47) | (55.65) | (55.83) | (56.01) | (56.19) | (56.37) | (56.55) | (56.73) | (56.91) | (57.09) | (57.27) | (57.45) | (57.63) | (57.81) | (57.99) | (58.17) | (58.35) | (58.53) | (58.71) | (58.89) | (59.07) | (59.25) | (59.43) | (59.61) | (59.79) | (59.97) | (60.15) | (60.33) | (60.51) | (60.69) | (60.87) | (61.05) | (61.23) | (61.41) | (61.59) | (61.77) | (61.95) | (62.13) | (62.31) | (62.49) | (62.67) | (62.85) | (63.03) | (63.21) | (63.39) | (63.57) | (63.75) | (63.93) | (64.11) | (64.29) | (64.47) | (64.65) | (64.83) | (65.01) | (65.19) | (65.37) | (65.55) | (65.73) | (65.91) | (66.09) | (66.27) | (66.45) | (66.63) | (66.81) | (66.99) | (67.17) | (67.35) | (67.53) | (67.71) | (67.89) | (68.07) | (68.25) | (68.43) | (68.61) | (68.79) | (68.97) | (69.15) | (69.33) | (69.51) | (69.69) | (69.87) | (70.05) | (70.23) | (70.41) | (70.59) | (70.77) | (70.95) | (71.13) | (71.31) | (71.49) | (71.67) | (71.85) | (72.03) | (72.21) | (72.39) | (72.57) | (72.75) | (72.93) | (73.11) | (73.29) | (73.47) | (73.65) | (73.83) | (74.01) | (74.19) | (74.37) | (74.55) | (74.73) | (74.91) | (75.09) | (75.27) | (75.45) | (75.63) | (75.81) | (75.99) | (76.17) | (76.35) | (76.53) | (76.71) | (76.89) | (77.07) | (77.25) | (77.43) | (77.61) | (77.79) | (77.97) | (78.15) | (78.33) | (78.51) | (78.69) | (78.87) | (79.05) | (79.23) | (79.41) | (79.59) | (79.77) | (79.95) | (80.13) | (80.31) | (80.49) | (80.67) | (80.85) | (81.03) | (81.21) | (81.39) | (81.57) | (81.75) | (81.93) | (82.11) | (82.29) | (82.47) | (82.65) | (82.83) | (83.01) | (83.19) | (83.37) | (83.55) | (83.73) | (83.91) | (84.09) | (84.27) | (84.45) | (84.63) | (84.81) | (84.99) | (85.17) | (85.35) | (85.53) | (85.71) | (85.89) | (86.07) | (86.25) | (86.43) | (86.61) | (86.79) | (86.97) | (87.15) | (87.33) | (87.51) | (87.69) | (87.87) | (88.05) | (88.23) | (88.41) | (88.59) | (88.77) | (88.95) | (89.13) | (89.31) | (89.49) | (89.67) | (89.85) | (89.99) | (90.17) | (90.35) | (90.53) | (90.71) | (90.89) | (91.07) | (91.25) | (91.43) | (91.61) | (91.79) | (91.97) | (92.15) | (92.33) | (92.51) | (92.69) | (92.87) | (93.05) | (93.23) | (93.41) | (93.59) | (93.77) | (93.95) | (94.13) | (94.31) | (94.49) | (94.67) | (94.85) | (95.03) | (95.21) | (95.39) | (95.57) | (95.75) | (95.93) | (96.11) | (96.29) | (96.47) | (96.65) | (96.83) | (97.01) | (97.19) | (97.37) | (97.55) | (97.73) | (97.91) | (98.09) | (98.27) | (98.45) | (98.63) | (98.81) | (98.99) | (99.17) | (99.35) | (99.53) | (99.71) | (99.89) | (100.07) | (100.25) | (100.43) | (100.61) | (100.79) | (100.97) | (101.15) | (101.33) | (101.51) | (101.69) | (101.87) | (102.05) | (102.23) | (102.41) | (102.59) | (102.77) | (102.95) | (103.13) | (103.31) | (103.49) | (103.67) | (103.85) | (104.03) | (104.21) | (104.39) | (104.57) | (104.75) | (104.93) | (105.11) | (105.29) | (105.47) | (105.65) | (105.83) | (106.01) | (106.19) | (106.37) | (106.55) | (106.73) | (106.91) | (107.09) | (107.27) | (107.45) | (107.63) | (107.81) | (107.99) | (108.17) | (108.35) | (108.53) | (108.71) | (108.89) | (109.07) | (109.25) | (109.43) | (109.61) | (109.79) | (109.97) | (110.15) | (110.33) | (110.51) | (110.69) | (110.87) | (111.05) | (111.23) | (111.41) | (111.59) | (111.77) | (111.95) | (112.13) | (112.31) | (112.49) | (112.67) | (112.85) | (113.03) | (113.21) | (113.39) | (113.57) | (113.75) | (113.93) | (114.11) | (114.29) | (114.47) | (114.65) | (114.83) | (115.01) | (115.19) | (115.37) | (115.55) | (115.73) | (115.91) | (116.09) | (116.27) | (116.45) | (116.63) | (116.81) | (116.99) | (117.17) | (117.35) | (117.53) | (117.71) | (117.89) | (118.07) | (118.25) | (118.43) | (118.61) | (118.79) | (118.97) | (119.15) | (119.33) | (119.51) | (119.69) | (119.87) | (120.05) | (120.23) | (120.41) | (120.59) | (120.77) | (120.95) | (121.13) | (121.31) | (121.49) | (121.67) | (121.85) | (122.03) | (122.21) | (122.39) | (122.57) | (122.75) | (122.93) | (123.11) | (123.29) | (123.47) | (123.65) | (123.83) | (124.01) | (124.19) | (124.37) | (124.55) | (124.73) | (124.91) | (125.09) | (125.27) | (125.45) | (125.63) | (125.81) | (125.99) | (126.17) | (126.35) | (126.53) | (126.71) | (126.89) | (127.07) | (127.25) | (127.43) | (127.61) | (127.79) | (127.97) | (128.15) | (128.33) | (128.51) | (128.69) | (128.87) | (129.05) | (129.23) | (129.41) | (129.59) | (129.77) | (129.95) | (130.13) | (130.31) | (130.49) | (130.67) | (130.85) | (131.03) | (131.21) | (131.39) | (131.57) | (131.75) | (131.93) | (132.11) | (132.29) | (132.47) | (132.65) | (132.83) | (133.01) | (133.19) | (133.37) | (133.55) | (133.73) | (133.91) | (134.09) | (134.27) | (134.45) | (134.63) | (134.81) | (134.99) | (135.17) | (135.35) | (135.53) | (135.71) | (135.89) | (136.07) | (136.25) | (136.43) | (136.61) | (136.79) | (136.97) | (137.15) | (137.33) | (137.51) | (137.69) | (137.87) | (138.05) | (138.23) | (138.41) | (138.59) | (138.77) | (138.95) | (139.13) | (139.31) | (139.49) | (139.67) | (139.85) | (140.03) | (140.21) | (140.39) | (140.57) | (140.75) | (140.93) | (141.11) | (141.29) | (141.47) | (141.65) | (141.83) | (142.01) | (142.19) | (142.37) | (142.55) | (142.73) | (142.91) | (143.09) | (143.27) | (143.45) | (143.63) | (143.81) | (143.99) | (144.17) | (144.35) | (144.53) | (144.71) | (144.89) | (145.07) | (145.25) | (145.43) | (145.61) | (145.79) | (145.97) | (146.15) | (146.33) | (146.51) | (146.69) | (146.87) | (147.05) | (147.23) | (147.41) | (147.59) | (147.77) | (147.95) | (148.13) | (148.31) | (148.49) | (148.67) | (148.85) | (149.03) | (149.21) | (149.39) | (149.57) | (149.75) | (149.93) | (150.11) | (150.29) | (150.47) | (150.65) | (150.83) | (151.01) | (151.19) | (151.37) | (151.55) | (151.73) | (151.91) | (152.09) | (152.27) | (152.45) | (152.63) | (152.81) | (152.99) | (153.17) | (153.35) | (153.53) | (153.71) | (153.89) | (154.07) | (154.25) | (154.43) | (154.61) | (154.79) | (154.97) | (155.15) | (155.33) | (155.51) | (155.69) | (155.87) | (156.05) | (156.23) | (156.41) | (156.59) | (156.77) | (156.95) | (157.13) | (157.31) | (157.49) | (157.67) | (157.85) | (158.03) | (158.21) | (158.39) | (158.57) | (158.75) | (158.93) | (159.11) | (159.29) | (159.47) | (159.65) | (159.83) | (160.01) | (160.19) | (160.37) | (160.55) | (160.73) | (160.91) | (161.09) | (161.27) | (161.45) | (161.63) | (161.81) | (161.99) | (162.17) | (162.35) | (162.53) | (162.71) | (162.89) | (163.07) | (163.25) | (163.43) | (163.61) | (163.79) | (163.97) | (164.15) | (164.33) | (164.51) | (164.69) | (164.87) | (165.05) | (165.23) | (165.41) | (165.59) | (165.77) | (165.95) | (166.13) | (166.31) | (166.49) | (166.67) | (166.85) | (167.03) | (167.21) | (167.39) | (167.57) | (167.75) | (167.93) | (168.11) | (168.29) | (168.47) | (168.65) | (168.83) | (169.01) | (169.19) | (169.37) | (169.55) | (169.73) | (169.91) | (170.09) | (170.27) | (170.45) | (170.63) | (170.81) | (170.99) | (171.17) | (171.35) | (171.53) | (171.71) | (171.89) | (172.07) | (172.25) | (172.43) | (172.61) | (172.79) | (172.97) | (173.15) | (173.33) | (173.51) | (173.69) | (173.87) | (174.05) | (174.23) | (174.41) | (174.59) | (174.77) | (174.95) | (175.13) | (175.31) | (175.49) | (175.67) | (175.85) | (176.03) | (176.21) | (176.39) | (176.57) | (176.75) | (176.93) | (177.11) | (177.29) | (177.47) | (177.65) | (177.83) | (178.01) | (178.19) | (178.37) | (178.55) | (178.73) | (178.91) | (179.09) | (179.27) | (179.45) | (179.63) | (179.81) | (179.99) | (180.17) | (180.35) | (180.53) | (180.71) | (180.89) | (181.07) | (181.25) | (181.43) | (181.61) | (181.79) | (181.97) | (182.15) | (182.33) | (182.51) | (182.69) | (182.87) | (183.05) | (183.23) | (183.41) | (183.59) | (183.77) | (183.95) | (184.13) | (184.31) | (184.49) | (184.67) | (184.85) | (185.03) | (185.21) | (185.39) | (185.57) | (185.75) | (185.93) | (186.11) | (186.29) | (186.47) | (186.65) | (186.83) | (187.01) | (187.19) | (187.37) | (187.55) | (187.73) | (187.91) | (188.09) | (188.27) | (188.45) | (188.63) | (188.81) | (188.99) | (189.17) | (189.35) | (189.53) | (189.71) | (189.89) | (190.07) | (190.25) | (190.43) | (190.61) | (190.79) | (190.97) | (191.15) | (191.33) | (191.51) | (191.69) | (191.87) | (192.05) | (192.23) | (192.41) | (192.59) | (192.77) | (192.95) | (193.13) | (193.31) | (193.49) | (193.67) | (193.85) | (194.03) | (194.21) | (194.39) | (194.57) | (194.75) | (194.93) | (195.11) | (195.29) | (195.47) | (195.65) | (195.83) | (196.01) | (196.19) | (196.37) | (196.55) | (196.73) | (196.91) | (197.09) | (197.27) | (197.45) | (197.63) | (197.81) | (197.99) | (198.17) | (198.35) | (198.53) | (198.71) | (198.89) | (199.07) | (199.25) | (199.43) | (199.61) | (199.79) | (199.97) | (200.15) | (200.33) | (200.51) | (200.69) | (200.87) | (201.05) | (201.23) | (201.41) | (201.59) | (201.77) | (201.95) | (202.13) | (202.31) | (202.49) | (202.67) | (202.85) | (203.03) | (203.21) | (203.39) | (203.57) | (203.75) | (203.93) | (204.11) | (204.29) | (204.47) | (204.65) | (204.83) | (205.01) | (205.19) | (205.37) | (205.55) | (205.73) | (205.91) | (206.09) | (206.27) | (206.45) | (206.63) | (206.81) | (206.99) | (207.17) | (207.35) | (207.53) | (207.71) | (207.89) | (208.07) | (208.25) | (208.43) | (208.61) | (208.79) | (208.97) | (209.15) | (209.33) | (209.51) | (209.69) | (209 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 1 | 29 | 12.2m(40ft.) ARC | MODEL-71.3cm ² 11.1in ² |

PROC. DATE - MONTH 8 DAY 24 HR. 19.0

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | | | | | | | | | | | | | | | | |
|--------------------|--------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--|--|--|--|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.14) | | | | |
| NO EGA | RDG. NO. | 50 | 86.1 | 90.1 | 89.4 | 91.7 | 93.0 | 94.1 | 95.5 | 97.9 | 103.6 | 107.4 | 112.1 | 114.3 | 113.6 | 159.3 | | | | | |
| | 0. | 63 | 88.4 | 90.2 | 91.9 | 92.2 | 94.0 | 95.7 | 96.5 | 99.4 | 103.9 | 110.7 | 115.4 | 116.4 | 114.2 | 161.8 | | | | | |
| RADIAL 150. FT. | | 80 | 89.0 | 90.2 | 92.2 | 93.3 | 94.4 | 96.5 | 98.1 | 100.5 | 113.2 | 113.3 | 117.8 | 117.9 | 115.7 | 163.7 | | | | | |
| (46. M) | | 100 | 90.8 | 92.3 | 94.9 | 96.0 | 97.8 | 99.7 | 102.4 | 107.1 | 114.2 | 118.9 | 119.3 | 117.1 | 164.9 | | | | | | |
| VEHICLE | CELL41 | 125 | 92.1 | 93.6 | 94.1 | 95.6 | 97.7 | 98.9 | 101.0 | 103.4 | 108.4 | 114.4 | 118.9 | 120.1 | 118.1 | 165.5 | | | | | |
| CONFIG | NC40 | 160 | 95.9 | 97.2 | 98.2 | 98.5 | 99.6 | 99.9 | 101.6 | 104.2 | 108.4 | 114.0 | 117.5 | 118.1 | 117.2 | 164.3 | | | | | |
| LOC | C41 ANECH CH | 200 | 93.5 | 95.8 | 98.3 | 98.6 | 99.7 | 101.5 | 102.7 | 105.8 | 109.5 | 113.1 | 116.6 | 118.2 | 116.0 | 163.9 | | | | | |
| DATE 05-28-76 | | 250 | 93.1 | 95.9 | 96.4 | 98.2 | 99.5 | 101.9 | 102.5 | 106.2 | 109.9 | 113.5 | 115.7 | 116.9 | 115.1 | 163.3 | | | | | |
| CONFLIOWFLWC | | 315 | 94.2 | 96.2 | 97.7 | 98.2 | 99.6 | 101.2 | 103.6 | 106.5 | 110.0 | 112.5 | 114.7 | 115.9 | 113.4 | 162.6 | | | | | |
| TAPE | X00290 | 400 | 93.5 | 95.6 | 97.3 | 98.9 | 100.2 | 101.8 | 103.7 | 106.6 | 110.6 | 111.9 | 114.4 | 115.0 | 112.3 | 162.2 | | | | | |
| BAR 29.3 HG | | 500 | 93.3 | 96.3 | 97.9 | 98.4 | 100.2 | 102.1 | 103.7 | 107.4 | 111.1 | 112.7 | 114.1 | 114.6 | 111.1 | 161.5 | | | | | |
| (99111. N/M2) | | 630 | 92.6 | 95.4 | 97.2 | 98.2 | 100.1 | 101.4 | 103.6 | 107.2 | 110.2 | 112.3 | 113.5 | 113.1 | 109.4 | 161.5 | | | | | |
| TAMB 64. DEG F | | 800 | 92.5 | 95.6 | 97.4 | 98.1 | 100.7 | 102.3 | 104.2 | 107.9 | 110.1 | 112.0 | 113.4 | 112.8 | 109.3 | 161.5 | | | | | |
| (291. DEG F | | 1000 | 92.2 | 95.8 | 97.8 | 99.1 | 101.2 | 103.3 | 104.9 | 107.6 | 110.1 | 111.9 | 113.6 | 112.2 | 109.0 | 161.5 | | | | | |
| 59. DEG F | | 1600 | 90.8 | 98.0 | 98.3 | 99.1 | 101.6 | 103.5 | 105.4 | 108.1 | 109.8 | 111.5 | 112.6 | 110.8 | 108.8 | 161.1 | | | | | |
| (288. DEG K) | | 2000 | 89.1 | 96.9 | 98.8 | 100.5 | 101.8 | 102.4 | 104.5 | 106.0 | 107.5 | 108.5 | 109.6 | 109.4 | 108.2 | 160.5 | | | | | |
| HACT11-35 GM/M3 | | 2500 | 88.4 | 95.9 | 97.6 | 100.5 | 102.3 | 102.7 | 104.1 | 105.3 | 107.1 | 107.4 | 108.0 | 108.7 | 107.9 | 159.4 | | | | | |
| (01135 KG/M3) | | 3150 | 86.7 | 92.8 | 95.9 | 98.3 | 101.6 | 101.4 | 103.2 | 104.1 | 106.2 | 105.8 | 106.9 | 105.8 | 105.9 | 158.9 | | | | | |
| FREQ. SHIFT | | 4000 | 85.0 | 91.6 | 93.3 | 96.0 | 98.7 | 99.0 | 100.5 | 101.8 | 104.3 | 103.5 | 106.0 | 104.5 | 102.3 | 157.6 | | | | | |
| JET 8 | | 5000 | 84.3 | 91.0 | 94.2 | 96.4 | 98.6 | 99.1 | 100.8 | 101.9 | 103.2 | 102.9 | 105.1 | 104.9 | 102.3 | 155.9 | | | | | |
| DIAMETER RATIO | | 6300 | 81.5 | 88.9 | 93.6 | 94.8 | 96.4 | 96.9 | 100.4 | 101.2 | 102.4 | 102.6 | 104.6 | 102.6 | 100.6 | 155.4 | | | | | |
| DF/DM 6.81 | | 8000 | 80.3 | 85.1 | 92.4 | 92.6 | 92.7 | 93.8 | 99.7 | 98.1 | 98.9 | 100.8 | 103.3 | 100.2 | 97.2 | 154.1 | | | | | |
| | | 12000 | 83.7 | 83.5 | 92.7 | 91.6 | 91.3 | 92.3 | 101.6 | 96.7 | 98.5 | 100.2 | 102.5 | 97.3 | 95.7 | 154.9 | | | | | |
| | | 12500 | 86.5 | 84.0 | 95.8 | 93.6 | 93.2 | 96.6 | 105.5 | 96.9 | 100.3 | 103.7 | 107.2 | 98.6 | 97.6 | 160.1 | | | | | |
| OVERALL CALCULATED | | 105.0 | 108.4 | 110.4 | 111.5 | 113.3 | 114.5 | 116.7 | 118.5 | 121.8 | 125.0 | 128.0 | 128.5 | 126.5 | 126.5 | 175.5 | | | | | |
| PWDB | | 114.5 | 119.9 | 122.0 | 123.9 | 125.8 | 126.5 | 128.5 | 130.1 | 132.5 | 133.9 | 135.7 | 135.7 | 134.0 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 1 | 29 | 45.7m(150ft.) ARC | FULL-.33m ² (513in. ²) |

| FULL SIZE SOUND PRESSURE | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.35)(3.55)(3.75)(4.0) | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.35)(3.55)(3.75)(4.0) | |
|--------------------------|--|--|--|---|--|--|--|--|--|
| NO EGA | | 40. | | 50. | | 60. | | 70. | |
| SIDELINE 2400. FT. | | 50.79 | | 63.5 | | 66.3 | | 68.9 | |
| (731.52 M) | | 60.1 | | 63.5 | | 66.3 | | 68.9 | |
| 1. RPM | | 60.6 | | 63.5 | | 66.3 | | 68.9 | |
| (0. RAD/SEC) | | 62.4 | | 66.0 | | 67.6 | | 69.9 | |
| NFA | | 63.5 | | 66.7 | | 68.3 | | 70.6 | |
| (0. RAD/SEC) | | 67.2 | | 70.1 | | 72.3 | | 74.8 | |
| NFK | | 64.5 | | 68.5 | | 72.2 | | 75.3 | |
| (0. RAD/SEC) | | 63.9 | | 68.4 | | 70.1 | | 72.7 | |
| NFD | | 64.6 | | 68.4 | | 71.2 | | 74.3 | |
| (785. RAD/SEC) | | 67.4 | | 70.5 | | 72.9 | | 75.9 | |
| AIRFLOW RATIO | | 62.8 | | 67.8 | | 70.6 | | 73.7 | |
| WF/M 6.81 | | 61.4 | | 66.3 | | 69.5 | | 71.4 | |
| VEHICLE | | 60.4 | | 65.7 | | 69.0 | | 71.7 | |
| CONFIG NC40 | | 59.0 | | 65.0 | | 68.6 | | 70.9 | |
| LOC C41 ANECH CH | | 57.1 | | 64.8 | | 68.1 | | 70.0 | |
| DATE 05-28-76 | | 54.3 | | 64.4 | | 68.2 | | 69.7 | |
| RUN CONF1LOWFLWC | | 50.3 | | 61.5 | | 65.5 | | 68.6 | |
| TAPE X00290 | | 46.2 | | 57.7 | | 61.9 | | 66.4 | |
| FAN TIP SPEED | | 39.2 | | 50.1 | | 56.3 | | 60.5 | |
| FT/SEC | | 29.4 | | 42.1 | | 47.7 | | 52.8 | |
| OVERALL CALCULATED | | 24.0 | | 37.6 | | 45.2 | | 50.0 | |
| PND8 | | 7.4 | | 24.1 | | 34.5 | | 39.2 | |
| 10000 | | 2.7 | | 17.9 | | 22.9 | | 25.5 | |
| 12500 | | 2.2 | | 5.4 | | 7.5 | | 15.7 | |
| OVERALL CALCULATED | | 74.6 | | 78.9 | | 81.7 | | 83.5 | |
| PND8 | | 78.5 | | 84.9 | | 88.5 | | 91.0 | |
| OVERALL CALCULATED | | 91.3 | | 94.0 | | 96.7 | | 98.4 | |
| PND8 | | 98.3 | | 99.9 | | 100.8 | | 101.0 | |
| OVERALL CALCULATED | | 96.7 | | 98.4 | | 99.9 | | 101.0 | |
| PND8 | | 98.7 | | 99.7 | | 100.8 | | 101.0 | |
| OVERALL CALCULATED | | 90.9 | | 96.7 | | 98.4 | | 99.7 | |
| PND8 | | 91.5 | | 98.7 | | 101.0 | | 101.0 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 29 ACoustic RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in.²) SIZE

| NO | EGA | RDG. NO. | 0. | 80 | 80.1 | 80.9 | 87.9 | 89.0 | 90.3 | 90.9 | 91.3 | 92.2 | 92.9 | 95.0 | 99.4 | 98.9 | 101.9 |
|-------|---------------------------|----------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100 | RADIAL 40. FT. | 80.3 | 84.4 | 85.6 | 37.9 | 37.9 | 89.0 | 90.3 | 90.3 | 91.1 | 91.7 | 92.7 | 93.4 | 91.4 | 99.6 | 101.6 | 102.1 |
| 125 | RADIAL (12. M) | 80.4 | 83.7 | 85.9 | 86.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.7 | 88.5 | 89.7 | 92.2 | 97.7 | 101.4 | 103.1 | 104.7 |
| 160 | VEHICLE CELL41 | 80.4 | 83.5 | 85.3 | 88.1 | 88.7 | 88.7 | 88.7 | 88.7 | 89.3 | 90.7 | 92.8 | 96.8 | 100.4 | 104.8 | 108.3 | 109.0 |
| 200 | CONFIG N640 | 82.6 | 85.6 | 86.8 | 87.4 | 88.7 | 89.3 | 90.3 | 90.3 | 90.7 | 91.8 | 93.0 | 95.1 | 103.2 | 108.6 | 110.5 | 110.8 |
| 250 | LOC C41 ANECH CH | 84.4 | 87.2 | 89.5 | 89.5 | 91.8 | 92.7 | 93.8 | 93.8 | 94.0 | 95.1 | 96.0 | 100.4 | 106.3 | 111.5 | 114.1 | 112.9 |
| 315 | DATE 05-28-76 | 86.9 | 88.0 | 89.7 | 90.7 | 91.8 | 93.7 | 95.1 | 95.1 | 96.4 | 98.8 | 104.5 | 112.4 | 116.7 | 116.7 | 116.0 | 114.0 |
| 400 | RUN CONFILOWFLWC | 87.8 | 88.5 | 90.0 | 91.1 | 92.9 | 95.0 | 95.0 | 95.0 | 98.5 | 100.9 | 106.9 | 113.5 | 117.7 | 118.6 | 116.4 | 112.6 |
| 500 | TAPE X00300 | 89.1 | 90.9 | 91.4 | 92.7 | 94.2 | 96.0 | 97.2 | 99.3 | 102.4 | 108.2 | 114.2 | 118.7 | 119.4 | 116.9 | 116.9 | 113.5 |
| 630 | BAR 29.3 HG (99111. W/M2) | 91.1 | 92.4 | 92.7 | 94.2 | 96.0 | 97.6 | 98.7 | 100.4 | 103.5 | 107.7 | 113.3 | 118.3 | 118.2 | 116.5 | 152.8 | 152.7 |
| 1000 | TAMB 63. DEG F | 93.3 | 95.6 | 97.6 | 96.9 | 98.2 | 100.1 | 101.7 | 104.4 | 109.1 | 113.1 | 117.4 | 118.5 | 116.1 | 152.3 | 152.3 | 151.4 |
| 1250 | DEG K | 92.6 | 94.9 | 97.0 | 96.2 | 97.6 | 99.9 | 101.3 | 104.5 | 109.7 | 112.5 | 117.2 | 117.6 | 115.4 | 151.0 | 151.0 | 151.0 |
| 1600 | 59. DEG F | 94.5 | 97.0 | 96.5 | 98.1 | 99.7 | 102.3 | 106.0 | 109.7 | 111.8 | 115.8 | 116.7 | 113.7 | 112.8 | 151.0 | 151.0 | 151.0 |
| 2000 | 288. DEG K | 94.8 | 96.1 | 97.1 | 99.0 | 99.8 | 103.0 | 105.9 | 109.8 | 111.4 | 115.4 | 116.0 | 112.8 | 111.8 | 150.2 | 150.2 | 150.2 |
| 2500 | 11.49 GM/M3 | 95.8 | 96.6 | 97.3 | 99.4 | 100.8 | 102.7 | 106.8 | 109.8 | 111.9 | 115.8 | 116.8 | 111.8 | 110.1 | 149.8 | 149.8 | 149.8 |
| 3150 | 94.2 95.8 | 96.6 | 98.0 | 98.6 | 98.4 | 100.3 | 102.7 | 106.4 | 109.6 | 111.4 | 114.6 | 113.5 | 110.1 | 149.3 | 149.3 | 149.3 | 149.3 |
| 4000 | 94.0 95.8 | 99.2 | 99.8 | 98.0 | 98.8 | 101.2 | 102.6 | 107.0 | 109.2 | 111.3 | 113.5 | 112.4 | 109.7 | 149.2 | 149.2 | 149.2 | 149.2 |
| 5000 | 95.1 100.2 | 101.3 | 101.3 | 99.6 | 99.7 | 101.3 | 103.4 | 106.3 | 109.6 | 110.2 | 112.1 | 111.5 | 108.3 | 145.6 | 145.6 | 145.6 | 145.6 |
| 6300 | 95.7 101.3 | 101.3 | 101.3 | 101.9 | 101.5 | 102.1 | 103.7 | 106.9 | 108.9 | 110.0 | 111.0 | 110.6 | 107.3 | 146.7 | 146.7 | 146.7 | 146.7 |
| 8000 | 94.5 99.6 | 100.7 | 101.9 | 101.4 | 101.4 | 103.2 | 101.8 | 103.4 | 106.4 | 107.9 | 109.0 | 109.5 | 106.8 | 145.7 | 145.7 | 145.7 | 145.7 |
| 10000 | 91.9 98.0 | 99.6 | 101.4 | 98.2 | 101.7 | 101.6 | 102.9 | 104.2 | 106.0</ | | | | | | | | |

| | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071 | 0072 | 0073 | 0074 | 0075 | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| OVERALL MEASURED | 105.4 | 109.1 | 109.9 | 110.6 | 112.0 | 112.7 | 114.5 | 117.5 | 120.9 | 124.1 | 127.9 | 128.4 | 126.1 | 124.5 | 122.9 | 121.7 | 120.5 | 118.7 | 117.0 | 115.2 | 113.5 | 111.8 | 110.1 | 108.4 | 106.7 | 105.0 | 103.3 | 101.6 | 99.9 | 98.2 | 96.5 | 94.8 | 93.1 | 91.4 | 89.7 | 88.0 | 86.3 | 84.6 | 82.9 | 81.2 | 79.5 | 77.8 | 76.1 | 74.4 | 72.7 | 71.0 | 69.3 | 67.6 | 65.9 | 64.2 | 62.5 | 60.8 | 59.1 | 57.4 | 55.7 | 54.0 | 52.3 | 50.6 | 48.9 | 47.2 | 45.5 | 43.8 | 42.1 | 40.4 | 38.7 | 37.0 | 35.3 | 33.6 | 31.9 | 30.2 | 28.5 | 26.8 | 25.1 | 23.4 | 21.7 | 20.0 | 18.3 | 16.6 | 14.9 | 13.2 | 11.5 | 9.8 | 8.1 | 6.4 | 4.7 | 3.0 | 1.3 | -0.4 | -2.1 | -3.8 | -5.5 | -7.2 | -8.9 | -10.6 | -12.3 | -14.0 | -15.7 | -17.4 | -19.1 | -20.8 | -22.5 | -24.2 | -25.9 | -27.6 | -29.3 | -31.0 | -32.7 | -34.4 | -36.1 | -37.8 | -39.5 | -41.2 | -42.9 | -44.6 | -46.3 | -48.0 | -49.7 | -51.4 | -53.1 | -54.8 | -56.5 | -58.2 | -59.9 | -61.6 | -63.3 | -65.0 | -66.7 | -68.4 | -70.1 | -71.8 | -73.5 | -75.2 | -76.9 | -78.6 | -80.3 | -82.0 | -83.7 | -85.4 | -87.1 | -88.8 | -90.5 | -92.2 | -93.9 | -95.6 | -97.3 | -99.0 | -100.7 | -102.4 | -104.1 | -105.8 | -107.5 | -109.2 | -110.9 | -112.6 | -114.3 | -116.0 | -117.7 | -119.4 | -121.1 | -122.8 | -124.5 | -126.2 | -127.9 | -129.6 | -131.3 | -133.0 | -134.7 | -136.4 | -138.1 | -139.8 | -141.5 | -143.2 | -144.9 | -146.6 | -148.3 | -150.0 | -151.7 | -153.4 | -155.1 | -156.8 | -158.5 | -160.2 | -161.9 | -163.6 | -165.3 | -167.0 | -168.7 | -170.4 | -172.1 | -173.8 | -175.5 | -177.2 | -178.9 | -180.6 | -182.3 | -184.0 | -185.7 | -187.4 | -189.1 | -190.8 | -192.5 | -194.2 | -195.9 | -197.6 | -199.3 | -201.0 | -202.7 | -204.4 | -206.1 | -207.8 | -209.5 | -211.2 | -212.9 | -214.6 | -216.3 | -218.0 | -219.7 | -221.4 | -223.1 | -224.8 | -226.5 | -228.2 | -229.9 | -231.6 | -233.3 | -235.0 | -236.7 | -238.4 | -240.1 | -241.8 | -243.5 | -245.2 | -246.9 | -248.6 | -250.3 | -252.0 | -253.7 | -255.4 | -257.1 | -258.8 | -260.5 | -262.2 | -263.9 | -265.6 | -267.3 | -269.0 | -270.7 | -272.4 | -274.1 | -275.8 | -277.5 | -279.2 | -280.9 | -282.6 | -284.3 | -286.0 | -287.7 | -289.4 | -291.1 | -292.8 | -294.5 | -296.2 | -297.9 | -299.6 | -301.3 | -303.0 | -304.7 | -306.4 | -308.1 | -309.8 | -311.5 | -313.2 | -314.9 | -316.6 | -318.3 | -320.0 | -321.7 | -323.4 | -325.1 | -326.8 | -328.5 | -330.2 | -331.9 | -333.6 | -335.3 | -337.0 | -338.7 | -340.4 | -342.1 | -343 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 30 | 12.2m (40ft.) ARC | MODEL-71.3cm ² (11.1in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|-----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) |
| 50 | NO EGA | 89.6 | 92.9 | 92.4 | 94.7 | 97.0 | 97.9 | 99.0 | 101.2 | 105.6 | 111.4 | 116.6 | 119.3 | 118.1 | 164.0 | | | | |
| 63 | RDG. NO. 0. | 92.1 | 93.2 | 94.9 | 95.9 | 97.0 | 98.9 | 100.3 | 103.2 | 108.4 | 115.0 | 119.7 | 120.6 | 118.9 | 166.1 | | | | |
| 80 | RADIAL 150. FT. | 93.0 | 93.7 | 95.2 | 96.3 | 98.1 | 100.2 | 101.6 | 104.0 | 109.7 | 117.6 | 121.8 | 121.9 | 119.2 | 167.7 | | | | |
| 100 | (46. M) | 94.3 | 96.1 | 96.6 | 97.9 | 99.5 | 101.1 | 103.7 | 106.1 | 112.1 | 118.7 | 122.9 | 123.8 | 121.6 | 169.3 | | | | |
| 125 | VEHICLE | 96.3 | 97.6 | 97.9 | 99.4 | 101.2 | 102.4 | 104.5 | 107.6 | 113.4 | 119.4 | 123.9 | 124.6 | 122.1 | 170.1 | | | | |
| 160 | CELL41 | 100.2 | 101.2 | 101.9 | 102.0 | 102.8 | 103.9 | 105.6 | 108.7 | 112.9 | 118.5 | 123.5 | 123.4 | 121.7 | 169.5 | | | | |
| 200 | CONFIG NC40 | 98.5 | 100.8 | 102.8 | 102.1 | 103.4 | 105.3 | 106.9 | 109.6 | 114.3 | 118.4 | 122.6 | 123.7 | 121.3 | 169.3 | | | | |
| 250 | LOC C41 | 97.9 | 100.1 | 100.2 | 101.4 | 102.8 | 105.1 | 106.5 | 109.7 | 114.9 | 117.7 | 122.4 | 122.9 | 120.6 | 168.9 | | | | |
| 315 | DATE 05-28-76 | 99.4 | 100.7 | 102.2 | 101.7 | 103.3 | 104.9 | 107.6 | 111.2 | 115.0 | 117.0 | 121.0 | 121.9 | 118.9 | 168.0 | | | | |
| 400 | RUN CONFLOWLWC | 99.0 | 100.1 | 101.3 | 102.4 | 104.2 | 105.1 | 108.2 | 111.1 | 115.1 | 116.7 | 120.6 | 121.3 | 118.1 | 167.7 | | | | |
| 500 | TAPE X00300 | 99.5 | 100.8 | 101.9 | 102.6 | 104.7 | 106.1 | 108.0 | 111.7 | 114.9 | 116.8 | 120.0 | 118.9 | 115.4 | 167.6 | | | | |
| 630 | BAR 29.3 HG | 99.4 | 101.2 | 102.2 | 102.0 | 103.8 | 105.7 | 108.1 | 111.7 | 114.9 | 116.8 | 120.0 | 118.9 | 115.4 | 166.9 | | | | |
| 800 | (99111. N/M2) | 100.5 | 105.6 | 104.6 | 103.4 | 104.2 | 105.6 | 108.0 | 112.4 | 114.6 | 116.7 | 118.9 | 117.8 | 115.1 | 166.5 | | | | |
| 1000 | TAMB 63. DEG F | 101.2 | 106.8 | 106.8 | 105.1 | 105.1 | 106.8 | 108.9 | 111.8 | 115.1 | 115.7 | 117.6 | 117.0 | 113.8 | 166.0 | | | | |
| 1250 | (290. DEG K) | 100.2 | 105.2 | 106.3 | 107.6 | 107.1 | 107.7 | 109.4 | 112.6 | 114.6 | 115.7 | 116.6 | 116.2 | 113.0 | 165.8 | | | | |
| 1600 | TWET 59. DEG F | 97.8 | 103.9 | 105.5 | 107.3 | 109.1 | 107.7 | 109.3 | 112.3 | 113.8 | 114.9 | 115.4 | 115.2 | 112.7 | 165.3 | | | | |
| 2000 | (288. DEG K) | 95.6 | 102.4 | 104.3 | 105.5 | 108.0 | 107.9 | 109.2 | 110.5 | 112.3 | 113.2 | 113.9 | 113.2 | 111.1 | 163.9 | | | | |
| 2500 | HACT11.49 GH/M3 | 94.6 | 101.4 | 103.3 | 105.5 | 107.3 | 107.4 | 108.9 | 110.3 | 111.6 | 112.4 | 112.2 | 112.5 | 110.4 | 163.3 | | | | |
| 3150 | (.01149 KG/M3) | 92.2 | 99.0 | 101.6 | 104.0 | 106.5 | 105.9 | 107.9 | 108.8 | 111.2 | 110.5 | 111.6 | 110.5 | 108.8 | 162.3 | | | | |
| 4000 | FREQ. SHIFT | 89.9 | 97.5 | 99.7 | 102.0 | 104.9 | 104.4 | 106.5 | 109.5 | 108.2 | 110.7 | 107.4 | 105.0 | 108.8 | 162.3 | | | | |
| 5000 | JET 8 | 89.5 | 97.4 | 100.1 | 103.0 | 105.0 | 104.2 | 105.0 | 107.3 | 108.9 | 108.0 | 109.5 | 109.0 | 106.0 | 160.7 | | | | |
| 6300 | DIAMETER RATIO | 87.4 | 95.3 | 99.9 | 102.7 | 103.0 | 103.0 | 104.2 | 106.8 | 107.5 | 107.9 | 110.2 | 107.2 | 104.8 | 160.9 | | | | |
| 8000 | DR/DM 6.81 | 86.2 | 92.1 | 98.9 | 101.4 | 98.8 | 100.1 | 102.3 | 104.7 | 105.0 | 106.6 | 109.1 | 106.0 | 100.8 | 160.8 | | | | |
| 10000 | | 88.0 | 91.0 | 100.3 | 102.6 | 97.6 | 99.5 | 102.7 | 103.2 | 105.6 | 107.2 | 111.2 | 103.3 | 99.5 | 159.8 | | | | |
| 12500 | | 93.0 | 94.0 | 106.5 | 105.8 | 98.7 | 101.6 | 103.2 | 104.3 | 108.5 | 111.3 | 114.9 | 104.8 | 102.3 | 161.6 | | | | |
| OVERALL CALCULATED | | 110.9 | 114.8 | 116.4 | 117.2 | 118.2 | 118.8 | 120.6 | 123.4 | 126.6 | 129.6 | 133.3 | 133.5 | 131.1 | 166.7 | | | | |
| PNDB | | 120.5 | 125.8 | 127.7 | 129.4 | 130.8 | 131.1 | 132.7 | 134.9 | 137.4 | 138.7 | 140.8 | 140.3 | 137.8 | 180.5 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 30 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in.²)

ANEC-HOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 1 | 30 | 731.5m(2400ft.) SIDELINE | FULL - 33m ² (513in. ²) |

[illegible]

FREQ.

NO EGA

RDG. NO. C.
RADIAL 43. FT.

VEHICLE 5701HEA CELL 41

CONFIG NC30

LOC 647 ANECH CH
DATE 05-25-76

R/NJN CONF1ZER0FLW

TAPE 20 4 HG
XG150J

(99246. N/K2)

TAM 55-DEG F
1396-DEG K)

TWET 48. DEG F

(292° DEG K)

HACI 6.88 GM/M3
(.00688 KG/M3)

FREQ. SHIFT

JET 0
DIAMETER RATIO

DF/DM!

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

OVERALL N
OVERALL CAL

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were cultured in YEA medium for 24 h at 28 °C. The cell concentration of the strains was adjusted to 1.0 × 10⁸ cells/ml. The cell suspension was then diluted to 10⁶, 10⁷, 10⁸, 10⁹, and 10¹⁰ cells/ml. The cell suspension was then inoculated into the plant tissue. The transformation efficiency was determined by the number of transformants per 10⁶ cells. The data were expressed as the mean ± SD of three independent experiments.

135.7
136.7
137.7
141.5
143.5
145.5
148.7
150.6
151.9
153.5
154.3
155.5
156.9
156.8
153.5
153.5
152.2
151.5
151.4
151.9
150.5
149.7
149.0
147.7
145.9
145.1
149.1
149.5
151.6
153.1
165.3

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 150 | 12.2m (40ft.) ARC | MODEL-71.3cm ² (11.lin ²) |

| | | |
|--|--------------------|------|
| | OVERALL MEASURED | PND3 |
| | OVERALL CALCULATED | |

PRGC. DATE - MONTH 3 DAY 30 HR. 10.4
ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PdL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | (0.70) | (0.57) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0.) |
| NO EGA | 50 | 89.3 | 93.9 | 93.4 | 93.9 | 95.3 | 97.6 | 98.5 | 101.2 | 105.9 | 111.4 | 115.1 | 118.3 | 117.6 | 165.1 |
| RDG. NO. | 63 | 91.9 | 93.6 | 95.4 | 95.2 | 97.0 | 97.6 | 99.3 | 102.4 | 108.4 | 115.0 | 118.7 | 119.6 | 118.6 | 165.3 |
| RADIAL 150. FT. | 80 | 93.0 | 95.0 | 96.7 | 96.8 | 97.9 | 99.0 | 101.1 | 104.3 | 110.5 | 118.1 | 120.8 | 120.9 | 118.7 | 167.1 |
| (46. M) | 100 | 94.6 | 96.8 | 97.6 | 97.4 | 99.2 | 100.8 | 103.0 | 105.9 | 113.6 | 121.9 | 121.3 | 119.1 | 168.6 | |
| VEHICLE CELL41 | 125 | 97.1 | 98.1 | 99.4 | 99.1 | 100.7 | 101.9 | 104.5 | 107.4 | 115.9 | 123.4 | 123.1 | 122.3 | 120.6 | 170.2 |
| NC30 | 160 | 101.2 | 103.2 | 105.7 | 103.7 | 103.6 | 103.9 | 106.1 | 109.5 | 116.2 | 124.3 | 123.0 | 123.6 | 120.9 | 170.9 |
| C41 ANECH CH | 200 | 100.7 | 103.8 | 105.8 | 105.6 | 105.4 | 106.5 | 107.7 | 111.1 | 117.3 | 126.1 | 124.3 | 123.7 | 120.3 | 172.1 |
| DATE 05-25-76 | 250 | 100.4 | 102.4 | 103.1 | 102.4 | 103.8 | 106.1 | 108.0 | 111.7 | 118.9 | 125.5 | 123.7 | 122.4 | 113.6 | 171.5 |
| RUN CONFIZEROFLW | 315 | 101.7 | 104.4 | 105.5 | 104.0 | 104.6 | 106.2 | 108.6 | 112.7 | 117.7 | 126.3 | 123.0 | 120.9 | 116.7 | 171.5 |
| TAPE | 400 | 102.8 | 105.3 | 105.6 | 105.6 | 106.5 | 107.3 | 109.5 | 113.4 | 118.4 | 124.2 | 122.1 | 119.1 | 114.8 | 170.2 |
| X01500 | 500 | 103.1 | 106.4 | 106.6 | 105.7 | 106.2 | 107.6 | 110.0 | 113.7 | 118.1 | 125.0 | 120.4 | 117.8 | 114.4 | 170.2 |
| BAR 29.4 HG | 630 | 104.7 | 105.5 | 106.3 | 106.0 | 106.6 | 107.5 | 110.1 | 113.0 | 117.5 | 123.4 | 118.8 | 115.2 | 112.2 | 168.9 |
| (99246. N/M2) | 800 | 106.3 | 106.1 | 107.7 | 107.5 | 107.8 | 108.1 | 110.3 | 113.5 | 117.4 | 122.1 | 117.7 | 114.9 | 111.6 | 168.3 |
| TAMB 55. DEG F | 1000 | 106.5 | 108.1 | 108.7 | 108.7 | 109.3 | 109.6 | 110.8 | 113.7 | 117.2 | 121.3 | 116.8 | 114.4 | 112.4 | 168.0 |
| (286. DEG K) | 1250 | 106.8 | 108.7 | 109.3 | 108.8 | 110.0 | 110.6 | 113.0 | 116.8 | 120.5 | 115.4 | 114.0 | 112.2 | 167.5 | 167.2 |
| TWET 48. DEG F | 1600 | 105.8 | 107.7 | 109.1 | 108.8 | 110.1 | 109.5 | 110.6 | 113.3 | 116.9 | 119.8 | 115.0 | 113.0 | 112.2 | 167.2 |
| (282. DEG K) | 2000 | 104.2 | 106.8 | 107.3 | 107.7 | 110.0 | 108.8 | 109.9 | 112.4 | 114.5 | 117.3 | 112.9 | 111.6 | 110.3 | 165.6 |
| HACT 6.88 GM/M3 | 2500 | 103.4 | 106.0 | 106.6 | 107.2 | 109.7 | 109.5 | 109.7 | 111.4 | 114.3 | 117.7 | 112.7 | 110.6 | 109.5 | 165.6 |
| (.00688 KG/M3) | 3150 | 101.6 | 103.3 | 104.9 | 105.4 | 109.1 | 107.7 | 109.0 | 109.7 | 113.6 | 115.6 | 111.3 | 109.1 | 108.7 | 164.4 |
| REQ. SHIFT | 4000 | 100.4 | 103.6 | 103.2 | 103.4 | 106.3 | 105.2 | 106.5 | 107.9 | 112.4 | 115.1 | 111.7 | 107.4 | 107.6 | 163.6 |
| JET 8 | 5000 | 100.4 | 103.5 | 104.5 | 104.8 | 107.2 | 105.6 | 107.1 | 109.0 | 113.2 | 116.6 | 111.6 | 109.0 | 107.9 | 164.7 |
| DIAMETER RATIO | 8000 | 97.7 | 101.5 | 104.6 | 104.1 | 103.6 | 103.9 | 104.7 | 108.1 | 112.1 | 117.5 | 113.1 | 109.0 | 108.4 | 165.2 |
| DF/Dm C-81 | 10000 | 96.5 | 100.8 | 105.3 | 103.0 | 103.2 | 103.1 | 104.0 | 107.1 | 112.8 | 118.7 | 114.1 | 109.8 | 108.1 | 168.1 |
| | 12500 | 98.8 | 103.1 | 109.0 | 106.5 | 105.6 | 105.5 | 106.3 | 109.2 | 117.5 | 123.9 | 119.1 | 115.1 | 113.7 | 174.7 |
| OVERALL CALCULATED | | 116.2 | 118.3 | 119.7 | 119.2 | 120.3 | 120.5 | 122.0 | 124.9 | 129.7 | 135.9 | 133.5 | 132.4 | 129.9 | 183.0 |
| PHOB | 127.7 | 130.2 | 131.2 | 131.2 | 133.1 | 132.9 | 134.0 | 136.3 | 140.3 | 144.8 | 141.1 | 139.2 | 137.4 | | |

REPRODUCIBILITY OF ORIGINAL PAGE IS

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 1 | 150° | 45.7m(150ft.) ARC | FULL-.33m ² (513in. ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 5 DAY 30 HR. 15.4
 ANGLES FROM INLET IN DEGREES (AND RADIAN)
 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000. 1010. 1020. 1030. 1040. 1050. 1060. 1070. 1080. 1090. 1100. 1110. 1120. 1130. 1140. 1150. 1160. 1170. 1180. 1190. 1200. 1210. 1220. 1230. 1240. 1250. 1260. 1270. 1280. 1290. 1300. 1310. 1320. 1330. 1340. 1350. 1360. 1370. 1380. 1390. 1400. 1410. 1420. 1430. 1440. 1450. 1460. 1470. 1480. 1490. 1500. 1510. 1520. 1530. 1540. 1550. 1560. 1570. 1580. 1590. 1600. 1610. 1620. 1630. 1640. 1650. 1660. 1670. 1680. 1690. 1700. 1710. 1720. 1730. 1740. 1750. 1760. 1770. 1780. 1790. 1800. 1810. 1820. 1830. 1840. 1850. 1860. 1870. 1880. 1890. 1900. 1910. 1920. 1930. 1940. 1950. 1960. 1970. 1980. 1990. 2000. 2010. 2020. 2030. 2040. 2050. 2060. 2070. 2080. 2090. 2100. 2110. 2120. 2130. 2140. 2150. 2160. 2170. 2180. 2190. 2200. 2210. 2220. 2230. 2240. 2250. 2260. 2270. 2280. 2290. 2300. 2310. 2320. 2330. 2340. 2350. 2360. 2370. 2380. 2390. 2400. 2410. 2420. 2430. 2440. 2450. 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540. 2550. 2560. 2570. 2580. 2590. 2600. 2610. 2620. 2630. 2640. 2650. 2660. 2670. 2680. 2690. 2700. 2710. 2720. 2730. 2740. 2750. 2760. 2770. 2780. 2790. 2800. 2810. 2820. 2830. 2840. 2850. 2860. 2870. 2880. 2890. 2900. 2910. 2920. 2930. 2940. 2950. 2960. 2970. 2980. 2990. 3000. 3010. 3020. 3030. 3040. 3050. 3060. 3070. 3080. 3090. 3100. 3110. 3120. 3130. 3140. 3150. 3160. 3170. 3180. 3190. 3200. 3210. 3220. 3230. 3240. 3250. 3260. 3270. 3280. 3290. 3300. 3310. 3320. 3330. 3340. 3350. 3360. 3370. 3380. 3390. 3400. 3410. 3420. 3430. 3440. 3450. 3460. 3470. 3480. 3490. 3500. 3510. 3520. 3530. 3540. 3550. 3560. 3570. 3580. 3590. 3600. 3610. 3620. 3630. 3640. 3650. 3660. 3670. 3680. 3690. 3700. 3710. 3720. 3730. 3740. 3750. 3760. 3770. 3780. 3790. 3800. 3810. 3820. 3830. 3840. 3850. 3860. 3870. 3880. 3890. 3900. 3910. 3920. 3930. 3940. 3950. 3960. 3970. 3980. 3990. 4000. 4010. 4020. 4030. 4040. 4050. 4060. 4070. 4080. 4090. 4100. 4110. 4120. 4130. 4140. 4150. 4160. 4170. 4180. 4190. 4200. 4210. 4220. 4230. 4240. 4250. 4260. 4270. 4280. 4290. 4300. 4310. 4320. 4330. 4340. 4350. 4360. 4370. 4380. 4390. 4400. 4410. 4420. 4430. 4440. 4450. 4460. 4470. 4480. 4490. 4500. 4510. 4520. 4530. 4540. 4550. 4560. 4570. 4580. 4590. 4600. 4610. 4620. 4630. 4640. 4650. 4660. 4670. 4680. 4690. 4700. 4710. 4720. 4730. 4740. 4750. 4760. 4770. 4780. 4790. 4800. 4810. 4820. 4830. 4840. 4850. 4860. 4870. 4880. 4890. 4900. 4910. 4920. 4930. 4940. 4950. 4960. 4970. 4980. 4990. 5000. 5010. 5020. 5030. 5040. 5050. 5060. 5070. 5080. 5090. 5100. 5110. 5120. 5130. 5140. 5150. 5160. 5170. 5180. 5190. 5200. 5210. 5220. 5230. 5240. 5250. 5260. 5270. 5280. 5290. 5300. 5310. 5320. 5330. 5340. 5350. 5360. 5370. 5380. 5390. 5400. 5410. 5420. 5430. 5440. 5450. 5460. 5470. 5480. 5490. 5500. 5510. 5520. 5530. 5540. 5550. 5560. 5570. 5580. 5590. 5600. 5610. 5620. 5630. 5640. 5650. 5660. 5670. 5680. 5690. 5700. 5710. 5720. 5730. 5740. 5750. 5760. 5770. 5780. 5790. 5800. 5810. 5820. 5830. 5840. 5850. 5860. 5870. 5880. 5890. 5900. 5910. 5920. 5930. 5940. 5950. 5960. 5970. 5980. 5990. 6000. 6010. 6020. 6030. 6040. 6050. 6060. 6070. 6080. 6090. 6100. 6110. 6120. 6130. 6140. 6150. 6160. 6170. 6180. 6190. 6200. 6210. 6220. 6230. 6240. 6250. 6260. 6270. 6280. 6290. 6300. 6310. 6320. 6330. 6340. 6350. 6360. 6370. 6380. 6390. 6400. 6410. 6420. 6430. 6440. 6450. 6460. 6470. 6480. 6490. 6500. 6510. 6520. 6530. 6540. 6550. 6560. 6570. 6580. 6590. 6600. 6610. 6620. 6630. 6640. 6650. 6660. 6670. 6680. 6690. 6700. 6710. 6720. 6730. 6740. 6750. 6760. 6770. 6780. 6790. 6800. 6810. 6820. 6830. 6840. 6850. 6860. 6870. 6880. 6890. 6900. 6910. 6920. 6930. 6940. 6950. 6960. 6970. 6980. 6990. 7000. 7010. 7020. 7030. 7040. 7050. 7060. 7070. 7080. 7090. 7100. 7110. 7120. 7130. 7140. 7150. 7160. 7170. 7180. 7190. 7200. 7210. 7220. 7230. 7240. 7250. 7260. 7270. 7280. 7290. 7300. 7310. 7320. 7330. 7340. 7350. 7360. 7370. 7380. 7390. 7400. 7410. 7420. 7430. 7440. 7450. 7460. 7470. 7480. 7490. 7500. 7510. 7520. 7530. 7540. 7550. 7560. 7570. 7580. 7590. 7600. 7610. 7620. 7630. 7640. 7650. 7660. 7670. 7680. 7690. 7700. 7710. 7720. 7730. 7740. 7750. 7760. 7770. 7780. 7790. 7800. 7810. 7820. 7830. 7840. 7850. 7860. 7870. 7880. 7890. 7900. 7910. 7920. 7930. 7940. 7950. 7960. 7970. 7980. 7990. 8000. 8010. 8020. 8030. 8040. 8050. 8060. 8070. 8080. 8090. 8100. 8110. 8120. 8130. 8140. 8150. 8160. 8170. 8180. 8190. 8200. 8210. 8220. 8230. 8240. 8250. 8260. 8270. 8280. 8290. 8300. 8310. 8320. 8330. 8340. 8350. 8360. 8370. 8380. 8390. 8400. 8410. 8420. 8430. 8440. 8450. 8460. 8470. 8480. 8490. 8500. 8510. 8520. 8530. 8540. 8550. 8560. 8570. 8580. 8590. 8600. 8610. 8620. 8630. 8640. 8650. 8660. 8670. 8680. 8690. 8700. 8710. 8720. 8730. 8740. 8750. 8760. 8770. 8780. 8790. 8800. 8810. 8820. 8830. 8840. 8850. 8860. 8870. 8880. 8890. 8900. 8910. 8920. 8930. 8940. 8950. 8960. 8970. 8980. 8990. 9000. 9010. 9020. 9030. 9040. 9050. 9060. 9070. 9080. 9090. 9100. 9110. 9120. 9130. 9140. 9150. 9160. 9170. 9180. 9190. 9200. 9210. 9220. 9230. 9240. 9250. 9260. 9270. 9280. 9290. 9300. 9310. 9320. 9330. 9340. 9350. 9360. 9370. 9380. 9390. 9400. 9410. 9420. 9430. 9440. 9450. 9460. 9470. 9480. 9490. 9500. 9510. 9520. 9530. 9540. 9550. 9560. 9570. 9580. 9590. 9600. 9610. 9620. 9630. 9640. 9650. 9660. 9670. 9680. 9690. 9700. 9710. 9720. 9730. 9740. 9750. 9760. 9770. 9780. 9790. 9800. 9810. 9820. 9830. 9840. 9850. 9860. 9870. 9880. 9890. 9900. 9910. 9920. 9930. 9940. 9950. 9960. 9970. 9980. 9990. 10000. 10010. 10020. 10030. 10040. 10050. 10060. 10070. 10080. 10090. 10100. 10110. 10120. 10130. 10140. 10150. 10160. 10170. 10180. 10190. 10200. 10210. 10220. 10230. 10240. 10250. 10260. 10270. 10280. 10290. 10300. 10310. 10320. 10330. 10340. 10350. 10360. 10370. 10380. 10390. 10400. 10410. 10420. 10430. 10440. 10450. 10460. 10470. 10480. 10490. 10500. 10510. 10520. 10530. 10540. 10550. 10560. 10570. 10580. 10590. 10600. 10610. 10620. 10630. 10640. 10650. 10660. 10670. 10680. 10690. 10700. 10710. 10720. 10730. 10740. 10750. 10760. 10770. 10780. 10790. 10800. 10810. 10820. 10830. 10840. 10850. 10860. 10870. 10880. 10890. 10900. 10910. 10920. 10930. 10940. 10950. 10960. 10970. 10980. 10990. 11000. 11010. 11020. 11030. 11040. 11050. 11060. 11070. 11080. 11090. 11100. 11110. 11120. 11130. 11140. 11150. 11160. 11170. 11180. 11190. 11200. 11210. 11220. 11230. 11240. 11250. 11260. 11270. 11280. 11290. 11300. 11310. 11320. 11330. 11340. 11350. 11360. 11370. 11380. 11390. 11400. 11410. 11420. 11430. 11440. 11450. 11460. 11470. 11480. 11490. 11500. 11510. 11520. 11530. 11540. 11550. 11560. 11570. 11580. 11590. 11600. 11610. 11620. 11630. 11640. 11650. 11660. 11670. 11680. 11690. 11700. 11710. 11720. 11730. 11740. 11750. 11760. 11770. 11780. 11790. 11800. 11810. 11820. 11830. 11840. 11850. 11860. 11870. 11880. 11890. 11900. 11910. 11920. 11930. 11940. 11950. 11960. 11970. 11980. 11990. 12000. 12010. 12020. 12030. 12040. 12050. 12060. 12070. 12080. 12090. 12100. 12110. 12120. 12130. 12140. 12150. 12160. 12170. 12180. 12190. 12200. 12210. 12220. 12230. 12240. 12250. 12260. 12270. 12280. 12290. 12300. 12310. 12320. 12330. 12340. 12350. 12360. 12370. 12380. 12390. 12400. 12410. 12420. 12430. 12440. 12450. 12460. 12470. 12480. 12490. 12500. 12510. 12520. 12530. 12540. 12550. 12560. 12570. 12580. 12590. 12600. 12610. 12620. 12630. 12640. 12650. 12660. 12670. 12680. 12690. 12700. 12710. 12720. 12730. 12740. 12750. 12760. 12770. 12780. 12790. 12800. 12810. 12820. 12830. 12840. 12850. 12860. 12870. 12880. 12890. 12900. 12910. 12920. 12930. 12940. 12950. 12960. 12970. 12980. 12990. 13000. 13010. 13020. 13030. 13040. 13050. 13060. 13070. 13080. 13090. 13100. 13110. 13120. 13130. 13140. 13150. 13160. 13170. 13180. 13190. 13200. 13210. 13220. 13230. 13240. 13250. 13260. 13270. 13280. 13290. 13300. 13310. 13320. 13330. 13340. 13350. 13360. 13370. 13380. 13390. 13400. 13410. 13420. 13430. 13440. 13450. 13460. 13470. 13480. 13490. 13500. 13510. 13520. 13530. 13540. 13550. 13560. 13570. 13580. 13590. 13600. 13610. 13620. 13630. 13640. 13650. 13660. 13670. 13680. 13690. 13700. 13710. 13720. 13730. 13740. 13750. 13760. 13770. 13780. 13790. 13800. 13810. 13820. 13830. 13840. 13850. 13860. 13870. 13880. 13890. 13900. 13910. 13920. 13930. 13940. 13950. 13960. 13970. 13980. 13990. 14000. 14010. 14020. 14030. 14040. 14050. 14060. 14070. 14080. 14090. 14100. 14110. 14120. 14130. 14140. 14150. 14160. 14170. 14180. 14190. 14200. 14210. 14220. 14230. 14240. 14250. 14260. 14270. 14280. 14290. 14300. 14310. 14320. 14330. 14340. 14350. 14360. 14370. 14380. 14390. 14400. 14410. 14420. 14430. 14440. 14450. 14460. 14470. 14480. 14490. 14500. 14510. 14520. 14530. 14540. 14550. 14560. 14570. 14580. 14590. 14600. 14610. 14620. 14630. 14640. 14650. 14660. 14670. 14680. 14690. 14700. 14710. 14720. 14730. 14740. 14750. 14760. 14770. 14780. 14790. 14800. 14810. 14820. 14830. 14840. 14850. 14860. 14870. 14880. 14890. 14900. 14910. 14920. 14930. 14940. 14950. 14960. 14970. 14980. 14990. 15000. 15010. 15020. 15030. 15040. 15050. 15060. 15070. 15080. 15090. 15100. 15110. 15120. 15130. 15140. 15150. 15160. 15170. 15180. 15190. 15200. 15210. 15220. 15230. 15240. 15250. 15260. 15270. 15280. 15290. 15300. 15310. 15320. 15330. 15340. 15350. 15360. 15370. 15380. 15390. 15400. 15410. 15420. 15430. 15440. 15450. 15460. 15470. 15480. 15490. 15500. 15510. 15520. 15530. 15540. 15550. 15560. 15570. 15580. 15590. 15600. 15610. 15620. 15630. 15640. 15650. 15660. 15670. 15680. 15690. 15700. 15710. 15720. 15730. 15740. 15750. 15760. 15770. 15780. 15790. 15800. 15810. 15820. 15830. 15840. 15850. 15860. 15870. 15880. 15890. 15900. 15910. 15920. 15930. 15940. 15950. 15960. 15970. 15980. 15990. 16000. 16010. 16020. 16030. 16040. 16050. 16060. 16070. 16080. 16090. 16100. 16110. 16120. 16130. 16140. 16150. 16160. 16170. 16180. 16190. 16200. 16210. 16220. 16230. 16240. 16250. 16260. 16270. 16280. 16290. 16300. 16310. 16320. 16330. 16340. 16350. 16360. 16370. 16380. 16390. 16400. 16410. 16420. 16430. 16440. 16450. 16460. 16470. 16480. 16490. 16500. 16510. 16520. 16530. 16540. 16550. 16560. 16570. 16580. 16590. 16600. 16610. 16620. 16630. 16640. 16650. 16660. 16670. 16680. 16690. 16700. 16710. 16720. 16730. 16740. 16750. 16760. 16770. 16780. 16790. 16800. 16810. 16820. 16830. 16840. 16850. 16860. 16870. 16880. 16890. 16900. 16910. 16920. 16930. 16940. 16950. 16960. 16970. 16980. 16990. 17000. 17010. 17020. 17030. 17040. 17050. 17060. 17070. 17080. 17090. 17100. 17110. 17120. 17130. 17140. 17150. 17160. 17170. 17180. 17190. 17200. 17210. 17220. 17230. 17240. 17250. 17260. 17270. 17280. 17290. 17300. 17310. 17320. 17330. 17340. 17350. 17360. 17370. 17380. 17390. 17400. 17410. 17420. 17430. 17440. 17450. 17460. 17470. 17480. 17490. 17500. 17510. 17520. 17530. 17540. 17550. 17560. 17570. 17580. 17590. 17600. 17610. 17620. 17630. 17640. 17650. 17660. 17670. 17680. 17690. 17700. 17710. 17720. 17730. 17740. 17750. 17760. 17770. 17780. 17790. 17800. 17810. 17820. 17830. 17840. 17850. 17860. 17870. 17880. 17890. 17900. 17910. 17920. 17930. 17940. 17950. 17960. 17970. 17980. 17990. 18000. 18010. 18020. 18030. 18040. 18050. 18060. 18070. 18080. 18090. 18100. 18110. 18120. 18130. 18140. 18150. 18160. 18170. 18180. 18190. 18200. 18210. 18220. 18230. 18240. 18250. 18260. 18270. 18280. 18290. 18300. 18310. 18320. 18330. 18340. 18350. 18360. 18370. 18380. 18390. 18400. 18410. 18420. 18430. 18440. 18450. 18460. 18470. 18480. 18490. 18500. 18510. 18520. 18530. 18540. 18550. 18560. 18570. 18580. 18590. 18600. 18610. 18620. 18630. 18640. 18650. 18660. 18670. 18680. 18690. 18700. 18710. 18720. 18730. 18740. 18750. 18760. 18770. 18780. 18790. 18800. 18810. 18820. 18830. 18840. 18850. 18860. 18870. 18880. 18890. 18900. 18910. 18920. 18930. 18940. 18950. 18960. 18970. 18980. 18990. 19000. 19010. 19020. 19030. 19040. 19050. 19060. 19070. 19080. 19090. 19100. 19110. 19120. 19130. 1914

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) |
| 50 | 85.8 | 90.1 | 90.7 | 92.5 | 94.1 | 95.0 | 97.4 | 102.1 | 107.2 | 110.4 | 113.3 | 115.6 | 118.2 | 158.6 | 161.1 | 162.7 | 164.8 | 166.8 |
| 63 | 83.1 | 90.4 | 91.7 | 93.8 | 94.4 | 96.0 | 99.2 | 104.2 | 110.5 | 114.7 | 115.1 | 114.7 | 115.2 | 161.1 | 162.7 | 164.8 | 166.8 | 167.9 |
| 80 | 89.2 | 91.5 | 93.2 | 93.0 | 94.1 | 95.5 | 97.4 | 100.8 | 106.5 | 113.3 | 116.0 | 116.7 | 115.2 | 162.7 | 164.8 | 166.8 | 167.9 | 168.2 |
| 100 | 90.8 | 93.1 | 93.8 | 94.1 | 96.2 | 97.1 | 99.5 | 102.4 | 109.8 | 116.7 | 118.4 | 117.8 | 116.1 | 164.8 | 166.8 | 167.9 | 168.2 | 169.2 |
| 125 | 94.1 | 94.4 | 95.6 | 95.6 | 97.2 | 98.6 | 101.0 | 104.1 | 111.9 | 118.7 | 119.9 | 119.3 | 118.1 | 166.8 | 167.9 | 168.2 | 169.2 | 170.2 |
| 160 | 97.7 | 99.2 | 100.9 | 99.7 | 100.1 | 100.7 | 101.8 | 105.5 | 112.2 | 119.0 | 119.5 | 119.9 | 118.2 | 167.9 | 168.2 | 169.2 | 170.2 | 171.2 |
| 200 | 96.2 | 99.0 | 100.8 | 100.8 | 101.4 | 102.3 | 103.4 | 106.8 | 113.3 | 119.9 | 120.8 | 121.2 | 118.5 | 168.2 | 169.2 | 170.2 | 171.2 | 172.2 |
| 250 | 96.1 | 98.1 | 99.1 | 97.9 | 100.3 | 101.9 | 103.5 | 107.2 | 113.1 | 119.7 | 120.2 | 119.6 | 117.1 | 169.2 | 170.2 | 171.2 | 172.2 | 173.2 |
| 315 | 97.2 | 99.9 | 100.2 | 100.0 | 100.8 | 102.2 | 104.6 | 108.5 | 113.0 | 118.3 | 119.5 | 118.7 | 115.7 | 170.2 | 171.2 | 172.2 | 173.2 | 174.2 |
| 400 | 97.0 | 99.3 | 100.4 | 100.6 | 102.2 | 103.1 | 104.7 | 108.9 | 113.9 | 116.9 | 119.1 | 116.8 | 113.1 | 171.2 | 172.2 | 173.2 | 174.2 | 175.2 |
| 500 | 98.1 | 101.9 | 102.1 | 101.2 | 102.2 | 103.6 | 105.0 | 109.2 | 113.4 | 117.2 | 117.9 | 115.1 | 112.4 | 172.2 | 173.2 | 174.2 | 175.2 | 176.2 |
| 630 | 97.7 | 101.0 | 101.8 | 101.3 | 102.6 | 103.5 | 104.6 | 108.3 | 112.5 | 116.1 | 116.1 | 112.5 | 110.0 | 173.2 | 174.2 | 175.2 | 176.2 | 177.2 |
| 800 | 97.3 | 100.1 | 100.7 | 100.9 | 102.0 | 103.9 | 105.5 | 108.4 | 112.7 | 116.5 | 114.7 | 111.6 | 109.1 | 174.2 | 175.2 | 176.2 | 177.2 | 178.2 |
| 1000 | 98.8 | 100.6 | 101.9 | 101.9 | 102.5 | 104.4 | 105.8 | 108.9 | 111.7 | 114.6 | 113.7 | 111.9 | 110.9 | 175.2 | 176.2 | 177.2 | 178.2 | 179.2 |
| 1250 | 101.1 | 102.7 | 102.3 | 101.5 | 102.6 | 103.4 | 106.1 | 109.0 | 111.3 | 113.4 | 112.3 | 111.2 | 111.2 | 176.2 | 177.2 | 178.2 | 179.2 | 180.2 |
| 1600 | 102.1 | 104.0 | 103.1 | 103.3 | 104.4 | 103.7 | 105.4 | 108.8 | 110.4 | 113.3 | 111.4 | 111.0 | 111.2 | 177.2 | 178.2 | 179.2 | 180.2 | 181.2 |
| 2000 | 101.5 | 104.3 | 103.2 | 102.7 | 103.4 | 103.3 | 104.6 | 107.2 | 108.5 | 111.2 | 110.1 | 109.9 | 110.3 | 178.2 | 179.2 | 180.2 | 181.2 | 182.2 |
| 2500 | 100.1 | 103.5 | 102.5 | 102.9 | 105.1 | 104.0 | 104.4 | 106.4 | 109.0 | 111.4 | 109.7 | 109.1 | 110.0 | 179.2 | 180.2 | 181.2 | 182.2 | 183.2 |
| 3150 | 97.6 | 100.3 | 101.3 | 101.6 | 104.6 | 102.4 | 103.2 | 105.1 | 107.3 | 109.8 | 109.0 | 107.8 | 108.9 | 180.2 | 181.2 | 182.2 | 183.2 | 184.2 |
| 4000 | 96.3 | 99.8 | 99.6 | 100.1 | 102.0 | 100.7 | 101.7 | 103.3 | 106.1 | 108.8 | 109.7 | 106.6 | 107.3 | 181.2 | 182.2 | 183.2 | 184.2 | 185.2 |
| 5000 | 95.9 | 99.7 | 100.9 | 100.7 | 102.9 | 101.6 | 102.8 | 103.9 | 106.6 | 109.8 | 108.8 | 107.2 | 107.6 | 182.2 | 183.2 | 184.2 | 185.2 | 186.2 |
| 6300 | 94.3 | 98.7 | 100.6 | 100.2 | 101.2 | 101.2 | 101.9 | 104.8 | 105.1 | 111.1 | 109.7 | 107.8 | 107.9 | 183.2 | 184.2 | 185.2 | 186.2 | 187.2 |
| 8000 | 90.9 | 96.7 | 99.8 | 99.6 | 98.8 | 98.6 | 100.9 | 103.6 | 104.3 | 112.0 | 110.8 | 108.5 | 107.9 | 184.2 | 185.2 | 186.2 | 187.2 | 188.2 |
| 10000 | 90.2 | 95.4 | 99.6 | 97.8 | 97.7 | 98.4 | 100.0 | 103.4 | 104.6 | 114.6 | 112.7 | 109.5 | 108.4 | 185.2 | 186.2 | 187.2 | 188.2 | 189.2 |
| 12500 | 90.9 | 96.8 | 102.4 | 100.2 | 99.5 | 100.1 | 103.3 | 106.4 | 108.2 | 121.2 | 118.6 | 114.8 | 113.9 | 186.2 | 187.2 | 188.2 | 189.2 | 190.2 |
| OVERALL CALCULATED | 111.1 | 113.8 | 114.5 | 114.2 | 115.4 | 115.7 | 117.3 | 120.4 | 124.6 | 129.9 | 130.3 | 129.5 | 127.7 | 187.2 | 188.2 | 189.2 | 190.2 | 191.2 |
| PROB | 123.4 | 126.5 | 126.7 | 126.7 | 128.5 | 127.9 | 129.1 | 131.6 | 134.7 | 138.5 | 138.3 | 137.0 | 136.5 | 188.2 | 189.2 | 190.2 | 191.2 | 192.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 1 | 151 | 45.7m(150ft.) ARC | FULL - 33m ² (513in. ²) |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59.1 DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|--------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | (0.70)(0.47)(1.05) | (0.47)(1.05) | (1.05)(1.22) | (1.22)(1.40) | (1.40)(1.57) | (1.57)(1.75) | (1.75)(1.92) | (1.92)(2.09) | (2.09)(2.27) | (2.27)(2.44) | (2.44)(2.62) | (2.62)(2.79) | (2.79)(3.0) | |
| FREQ. | NO EGA | 50 | 57.7 | 63.5 | 64.6 | 65.9 | 68.1 | 69.9 | 70.6 | 72.6 | 76.6 | 80.6 | 82.2 | 82.9 | |
| 63 | SIDELINE 2400. FT. | 59.9 | 63.7 | 66.1 | 66.9 | 69.4 | 70.1 | 71.6 | 74.4 | 78.6 | 83.8 | 86.4 | 84.6 | 80.6 | |
| 80 | (731.52 M) | 60.9 | 64.7 | 67.6 | 68.1 | 69.6 | 71.1 | 72.9 | 75.9 | 80.9 | 86.6 | 87.7 | 86.1 | 81.0 | |
| 100 | 1. RPM | 62.4 | 66.3 | 68.1 | 69.2 | 71.7 | 72.7 | 74.9 | 77.4 | 84.1 | 89.8 | 89.9 | 87.0 | 81.7 | |
| 125 | (| 65.5 | 67.4 | 69.8 | 70.6 | 72.6 | 74.1 | 76.4 | 79.1 | 86.1 | 91.7 | 91.3 | 88.4 | 83.5 | |
| 160 | 0. RAD/SEC) | 68.9 | 72.1 | 75.0 | 74.5 | 75.3 | 76.1 | 77.1 | 80.3 | 86.3 | 91.9 | 90.7 | 88.7 | 83.2 | |
| 200 | HFK | 67.3 | 71.8 | 74.7 | 75.5 | 76.5 | 77.5 | 78.5 | 81.5 | 87.2 | 92.6 | 91.9 | 89.8 | 83.1 | |
| 250 | (| 66.9 | 70.7 | 72.9 | 72.4 | 75.2 | 77.0 | 78.5 | 81.7 | 86.9 | 92.3 | 91.0 | 87.8 | 81.3 | |
| 315 | 0. RAD/SEC) | 67.6 | 72.2 | 73.7 | 74.3 | 75.6 | 77.1 | 79.3 | 82.8 | 86.4 | 90.5 | 89.9 | 86.5 | 79.2 | |
| 400 | NFD | 67.0 | 71.2 | 73.5 | 74.6 | 76.7 | 77.7 | 79.2 | 82.9 | 87.0 | 90.8 | 89.1 | 84.0 | 75.7 | |
| 500 | (785. RAD/SEC) | 67.5 | 73.3 | 74.9 | 74.8 | 76.4 | 77.9 | 79.1 | 82.8 | 86.2 | 88.7 | 87.4 | 81.6 | 74.0 | |
| 630 | AIRFLOW RATIO | 66.5 | 71.8 | 74.0 | 74.5 | 76.3 | 77.3 | 78.3 | 81.5 | 84.8 | 87.0 | 84.9 | 78.1 | 70.3 | |
| 800 | WF/WM 6.81 | 65.2 | 70.3 | 72.3 | 73.5 | 75.1 | 77.2 | 78.6 | 81.0 | 84.3 | 87.7 | 82.6 | 76.1 | 67.7 | |
| 1000 | VEHICLE | 65.6 | 69.8 | 72.8 | 73.8 | 74.9 | 77.0 | 78.2 | 80.8 | 82.5 | 83.8 | 80.6 | 74.9 | 67.4 | |
| 1250 | CONFIG NC30 | 66.5 | 70.8 | 72.1 | 72.4 | 74.1 | 75.2 | 77.6 | 79.9 | 81.1 | 81.5 | 77.8 | 72.5 | 65.1 | |
| 1600 | LOC C41 ANECH CH | 65.6 | 70.4 | 71.5 | 73.0 | 74.7 | 76.3 | 75.7 | 78.5 | 78.8 | 79.8 | 75.0 | 69.8 | 61.4 | |
| 2000 | DATE 05-25-76 | 62.7 | 68.8 | 70.0 | 70.7 | 72.3 | 72.4 | 73.4 | 75.2 | 75.2 | 75.8 | 71.3 | 65.6 | 56.1 | |
| 2500 | RUN CONF1ZEROFW | 58.0 | 65.2 | 66.8 | 68.7 | 71.9 | 71.0 | 71.2 | 72.2 | 73.3 | 73.1 | 67.5 | 60.5 | 49.3 | |
| 3150 | TAPE X01510 | 50.1 | 57.6 | 61.6 | 63.8 | 67.8 | 66.0 | 66.4 | 67.3 | 67.6 | 67.1 | 61.5 | 52.3 | 37.9 | |
| 4000 | FAN TIP SPEED | 40.7 | 50.3 | 54.0 | 56.9 | 60.1 | 59.2 | 59.8 | 60.1 | 60.5 | 59.3 | 54.1 | 40.5 | 20.8 | |
| 5000 | FT/SEC | 35.6 | 46.4 | 51.9 | 54.4 | 58.0 | 57.2 | 58.0 | 57.6 | 57.6 | 56.4 | 48.5 | 35.1 | 12.1 | |
| 6300 | | 20.2 | 33.9 | 41.6 | 44.7 | 47.5 | 48.1 | 48.3 | 49.3 | 46.1 | 46.3 | 35.7 | 17.8 | | |
| 8000 | | 14.3 | 25.3 | 29.9 | 31.7 | 32.3 | 33.8 | 33.9 | 30.0 | 29.6 | 29.6 | 15.7 | | | |
| 10000 | | | 3.6 | 8.4 | 11.8 | 13.6 | 14.1 | 13.9 | 8.6 | 7.7 | | | | | |
| 12500 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 75.1 | 82.6 | 84.7 | 85.3 | 87.0 | 88.1 | 89.6 | 92.6 | 96.7 | 100.9 | 100.2 | 97.3 | 91.5 | |
| PNDB | | 85.0 | 90.3 | 92.3 | 93.3 | 95.6 | 95.8 | 96.9 | 99.5 | 102.5 | 105.4 | 103.8 | 100.1 | 93.1 | |

ANECCHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 151 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(5131m²) SIZE

| REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FULL SIZE SOUND PRESSURE | | | | | | | | | | | | |
| LEVELS SCALED FROM MODEL DATA | | | | | | | | | | | | |
| PROG. DATE - MONTH 8 DAY 30 HR. 16.4 | | | | | | | | | | | | |
| HUM. DAY - JEMOTS | | | | | | | | | | | | |
| TEMP. DAY - 70.0 | | | | | | | | | | | | |
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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 1 TEST POINT 152 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in.²)

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

Full size sound pressure levels scaled from model data (S9, DEG. F, 70 PERCENT REL. HUM. DAY)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.2) | (3.5) | (3.8) | (4.2) | (4.5) | (4.8) | (5.2) | (5.5) | (5.8) | (6.2) | (6.5) | (6.8) | (7.2) | (7.5) | (7.8) | (8.2) | (8.5) | (8.8) | (9.2) | (9.5) | (9.8) | (10.2) | (10.5) | (10.8) | (11.2) | (11.5) | (11.8) | (12.2) | (12.5) | (12.8) | (13.2) | (13.5) | (13.8) | (14.2) | (14.5) | (14.8) | (15.2) | (15.5) | (15.8) | (16.2) | (16.5) | (16.8) | (17.2) | (17.5) | (17.8) | (18.2) | (18.5) | (18.8) | (19.2) | (19.5) | (19.8) | (20.2) | (20.5) | (20.8) | (21.2) | (21.5) | (21.8) | (22.2) | (22.5) | (22.8) | (23.2) | (23.5) | (23.8) | (24.2) | (24.5) | (24.8) | (25.2) | (25.5) | (25.8) | (26.2) | (26.5) | (26.8) | (27.2) | (27.5) | (27.8) | (28.2) | (28.5) | (28.8) | (29.2) | (29.5) | (29.8) | (30.2) | (30.5) | (30.8) | (31.2) | (31.5) | (31.8) | (32.2) | (32.5) | (32.8) | (33.2) | (33.5) | (33.8) | (34.2) | (34.5) | (34.8) | (35.2) | (35.5) | (35.8) | (36.2) | (36.5) | (36.8) | (37.2) | (37.5) | (37.8) | (38.2) | (38.5) | (38.8) | (39.2) | (39.5) | (39.8) | (40.2) | (40.5) | (40.8) | (41.2) | (41.5) | (41.8) | (42.2) | (42.5) | (42.8) | (43.2) | (43.5) | (43.8) | (44.2) | (44.5) | (44.8) | (45.2) | (45.5) | (45.8) | (46.2) | (46.5) | (46.8) | (47.2) | (47.5) | (47.8) | (48.2) | (48.5) | (48.8) | (49.2) | (49.5) | (49.8) | (50.2) | (50.5) | (50.8) | (51.2) | (51.5) | (51.8) | (52.2) | (52.5) | (52.8) | (53.2) | (53.5) | (53.8) | (54.2) | (54.5) | (54.8) | (55.2) | (55.5) | (55.8) | (56.2) | (56.5) | (56.8) | (57.2) | (57.5) | (57.8) | (58.2) | (58.5) | (58.8) | (59.2) | (59.5) | (59.8) | (60.2) | (60.5) | (60.8) | (61.2) | (61.5) | (61.8) | (62.2) | (62.5) | (62.8) | (63.2) | (63.5) | (63.8) | (64.2) | (64.5) | (64.8) | (65.2) | (65.5) | (65.8) | (66.2) | (66.5) | (66.8) | (67.2) | (67.5) | (67.8) | (68.2) | (68.5) | (68.8) | (69.2) | (69.5) | (69.8) | (70.2) | (70.5) | (70.8) | (71.2) | (71.5) | (71.8) | (72.2) | (72.5) | (72.8) | (73.2) | (73.5) | (73.8) | (74.2) | (74.5) | (74.8) | (75.2) | (75.5) | (75.8) | (76.2) | (76.5) | (76.8) | (77.2) | (77.5) | (77.8) | (78.2) | (78.5) | (78.8) | (79.2) | (79.5) | (79.8) | (80.2) | (80.5) | (80.8) | (81.2) | (81.5) | (81.8) | (82.2) | (82.5) | (82.8) | (83.2) | (83.5) | (83.8) | (84.2) | (84.5) | (84.8) | (85.2) | (85.5) | (85.8) | (86.2) | (86.5) | (86.8) | (87.2) | (87.5) | (87.8) | (88.2) | (88.5) | (88.8) | (89.2) | (89.5) | (89.8) | (90.2) | (90.5) | (90.8) | (91.2) | (91.5) | (91.8) | (92.2) | (92.5) | (92.8) | (93.2) | (93.5) | (93.8) | (94.2) | (94.5) | (94.8) | (95.2) | (95.5) | (95.8) | (96.2) | (96.5) | (96.8) | (97.2) | (97.5) | (97.8) | (98.2) | (98.5) | (98.8) | (99.2) | (99.5) | (99.8) | (100.2) | (100.5) | (100.8) | (101.2) | (101.5) | (101.8) | (102.2) | (102.5) | (102.8) | (103.2) | (103.5) | (103.8) | (104.2) | (104.5) | (104.8) | (105.2) | (105.5) | (105.8) | (106.2) | (106.5) | (106.8) | (107.2) | (107.5) | (107.8) | (108.2) | (108.5) | (108.8) | (109.2) | (109.5) | (109.8) | (110.2) | (110.5) | (110.8) | (111.2) | (111.5) | (111.8) | (112.2) | (112.5) | (112.8) | (113.2) | (113.5) | (113.8) | (114.2) | (114.5) | (114.8) | (115.2) | (115.5) | (115.8) | (116.2) | (116.5) | (116.8) | (117.2) | (117.5) | (117.8) | (118.2) | (118.5) | (118.8) | (119.2) | (119.5) | (119.8) | (120.2) | (120.5) | (120.8) | (121.2) | (121.5) | (121.8) | (122.2) | (122.5) | (122.8) | (123.2) | (123.5) | (123.8) | (124.2) | (124.5) | (124.8) | (125.2) | (125.5) | (125.8) | (126.2) | (126.5) | (126.8) | (127.2) | (127.5) | (127.8) | (128.2) | (128.5) | (128.8) | (129.2) | (129.5) | (129.8) | (130.2) | (130.5) | (130.8) | (131.2) | (131.5) | (131.8) | (132.2) | (132.5) | (132.8) | (133.2) | (133.5) | (133.8) | (134.2) | (134.5) | (134.8) | (135.2) | (135.5) | (135.8) | (136.2) | (136.5) | (136.8) | (137.2) | (137.5) | (137.8) | (138.2) | (138.5) | (138.8) | (139.2) | (139.5) | (139.8) | (140.2) | (140.5) | (140.8) | (141.2) | (141.5) | (141.8) | (142.2) | (142.5) | (142.8) | (143.2) | (143.5) | (143.8) | (144.2) | (144.5) | (144.8) | (145.2) | (145.5) | (145.8) | (146.2) | (146.5) | (146.8) | (147.2) | (147.5) | (147.8) | (148.2) | (148.5) | (148.8) | (149.2) | (149.5) | (149.8) | (150.2) | (150.5) | (150.8) | (151.2) | (151.5) | (151.8) | (152.2) | (152.5) | (152.8) | (153.2) | (153.5) | (153.8) | (154.2) | (154.5) | (154.8) | (155.2) | (155.5) | (155.8) | (156.2) | (156.5) | (156.8) | (157.2) | (157.5) | (157.8) | (158.2) | (158.5) | (158.8) | (159.2) | (159.5) | (159.8) | (160.2) | (160.5) | (160.8) | (161.2) | (161.5) | (161.8) | (162.2) | (162.5) | (162.8) | (163.2) | (163.5) | (163.8) | (164.2) | (164.5) | (164.8) | (165.2) | (165.5) | (165.8) | (166.2) | (166.5) | (166.8) | (167.2) | (167.5) | (167.8) | (168.2) | (168.5) | (168.8) | (169.2) | (169.5) | (169.8) | (170.2) | (170.5) | (170.8) | (171.2) | (171.5) | (171.8) | (172.2) | (172.5) | (172.8) | (173.2) | (173.5) | (173.8) | (174.2) | (174.5) | (174.8) | (175.2) | (175.5) | (175.8) | (176.2) | (176.5) | (176.8) | (177.2) | (177.5) | (177.8) | (178.2) | (178.5) | (178.8) | (179.2) | (179.5) | (179.8) | (180.2) | (180.5) | (180.8) | (181.2) | (181.5) | (181.8) | (182.2) | (182.5) | (182.8) | (183.2) | (183.5) | (183.8) | (184.2) | (184.5) | (184.8) | (185.2) | (185.5) | (185.8) | (186.2) | (186.5) | (186.8) | (187.2) | (187.5) | (187.8) | (188.2) | (188.5) | (188.8) | (189.2) | (189.5) | (189.8) | (190.2) | (190.5) | (190.8) | (191.2) | (191.5) | (191.8) | (192.2) | (192.5) | (192.8) | (193.2) | (193.5) | (193.8) | (194.2) | (194.5) | (194.8) | (195.2) | (195.5) | (195.8) | (196.2) | (196.5) | (196.8) | (197.2) | (197.5) | (197.8) | (198.2) | (198.5) | (198.8) | (199.2) | (199.5) | (199.8) | (200.2) | (200.5) | (200.8) | (201.2) | (201.5) | (201.8) | (202.2) | (202.5) | (202.8) | (203.2) | (203.5) | (203.8) | (204.2) | (204.5) | (204.8) | (205.2) | (205.5) | (205.8) | (206.2) | (206.5) | (206.8) | (207.2) | (207.5) | (207.8) | (208.2) | (208.5) | (208.8) | (209.2) | (209.5) | (209.8) | (210.2) | (210.5) | (210.8) | (211.2) | (211.5) | (211.8) | (212.2) | (212.5) | (212.8) | (213.2) | (213.5) | (213.8) | (214.2) | (214.5) | (214.8) | (215.2) | (215.5) | (215.8) | (216.2) | (216.5) | (216.8) | (217.2) | (217.5) | (217.8) | (218.2) | (218.5) | (218.8) | (219.2) | (219.5) | (219.8) | (220.2) | (220.5) | (220.8) | (221.2) | (221.5) | (221.8) | (222.2) | (222.5) | (222.8) | (223.2) | (223.5) | (223.8) | (224.2) | (224.5) | (224.8) | (225.2) | (225.5) | (225.8) | (226.2) | (226.5) | (226.8) | (227.2) | (227.5) | (227.8) | (228.2) | (228.5) | (228.8) | (229.2) | (229.5) | (229.8) | (230.2) | (230.5) | (230.8) | (231.2) | (231.5) | (231.8) | (232.2) | (232.5) | (232.8) | (233.2) | (233.5) | (233.8) | (234.2) | (234.5) | (234.8) | (235.2) | (235.5) | (235.8) | (236.2) | (236.5) | (236.8) | (237.2) | (237.5) | (237.8) | (238.2) | (238.5) | (238.8) | (239.2) | (239.5) | (239.8) | (240.2) | (240.5) | (240.8) | (241.2) | (241.5) | (241.8) | (242.2) | (242.5) | (242.8) | (243.2) | (243.5) | (243.8) | (244.2) | (244.5) | (244.8) | (245.2) | (245.5) | (245.8) | (246.2) | (246.5) | (246.8) | (247.2) | (247.5) | (247.8) | (248.2) | (248.5) | (248.8) | (249.2) | (249.5) | (249.8) | (250.2) | (250.5) | (250.8) | (251.2) | (251.5) | (251.8) | (252.2) | (252.5) | (252.8) | (253.2) | (253.5) | (253.8) | (254.2) | (254.5) | (254.8) | (255.2) | (255.5) | (255.8) | (256.2) | (256.5) | (256.8) | (257.2) | (257.5) | (257.8) | (258.2) | (258.5) | (258.8) | (259.2) | (259.5) | (259.8) | (260.2) | (260.5) | (260.8) | (261.2) | (261.5) | (261.8) | (262.2) | (262.5) | (262.8) | (263.2) | (263.5) | (263.8) | (264.2) | (264.5) | (264.8) | (265.2) | (265.5) | (265.8) | (266.2) | (266.5) | (266.8) | (267.2) | (267.5) | (267.8) | (268.2) | (268.5) | (268.8) | (269.2) | (269.5) | (269.8) | (270.2) | (270.5) | (270.8) | (271.2) | (271.5) | (271.8) | (272.2) | (272.5) | (272.8) | (273.2) | (273.5) | (273.8) | (274.2) | (274.5) | (274.8) | (275.2) | (275.5) | (275.8) | (276.2) | (276.5) | (276.8) | (277.2) | (277.5) | (277.8) | (278.2) | (278.5) | (278.8) | (279.2) | (279.5) | (279.8) | (280.2) | (280.5) | (280.8) | (281.2) | (281.5) | (281.8) | (282.2) | (282.5) | (282.8) | (283.2) | (283.5) | (283.8) | (284.2) | (284.5) | (284.8) | (285.2) | (285.5) | (285.8) | (286.2) | (286.5) | (286.8) | (287.2) | (287.5) | (287.8) | (288.2) | (288.5) | (288.8) | (289.2) | (289.5) | (289.8) | (290.2) | (290.5) | (290.8) | (291.2) | (291.5) | (291.8) | (292.2) | (292.5) | (292.8) | (293.2) | (293.5) | (293.8) | (294.2) | (294.5) | (294.8) | (295.2) | (295.5) | (295.8) | (296.2) | (296.5) | (296.8) | (297.2) | (297.5) | (297.8) | (298.2) | (298.5) | (298.8) | (299.2) | (299.5) | (299.8) | (300.2) | (300.5) | (300.8) | (301.2) | (301.5) | (301.8) | (302.2) | (302.5) | (302.8) | (303.2) | (303.5) | (303.8) | (304.2) | (304.5) | (304.8) | (305.2) | (305.5) | (305.8) | (306.2) | (306.5) | (306.8) | (307.2) | (307.5) | (307.8) | (308.2) | (308.5) | (308.8) | (309.2) | (309.5) | (309.8) | (310.2) | (310.5) | (310.8) | (311.2) | (311.5) | (311.8) | (312.2) | (312.5) | (312.8) | (313.2) | (313.5) | (313.8) | (314.2) | (314.5) | (314.8) | (315.2) | (315.5) | (315.8) | (316.2) | (316.5) | (316.8) | (317.2) | (317.5) | (317.8) | (318.2) | (318.5) | (318.8) | (319.2) | (319.5) | (319.8) | (320.2) | (320.5) | (320.8) | (321.2) | (321.5) | (321.8) | (322.2) | (322.5) | (322.8) | (323.2) | (323.5) | (323.8) | (324.2) | (324.5) | (324.8) | (325.2) | (325.5) | (325.8) | (326.2) | (326.5) | (326.8) | (327.2) | (327.5) | (327.8) | (328.2) | (328.5) | (328.8) | (329.2) | (329.5) | (329.8) | (330.2) | (330.5) | (330.8) | (331.2) | (331.5) | (331.8) | (332.2) | (332.5) | (332.8) | (333.2) | (333.5) | (333.8) | (334.2) | (334.5) | (334.8) | (335.2) | (335.5) | (335.8) | (336.2) | (336.5) | (336.8) | (337.2) | (337.5) | (337.8) | (338.2) | (338.5) | (338.8) | (339.2) | (339.5) | (339.8) | (340.2) | (340.5) | (340.8) | (341.2) | (341.5) | (341.8) | (342.2) | (342.5) | (342.8) | (343.2) | (343.5) | (343.8) | (344.2) | (344.5) | (344.8) | (345.2) | (345.5) | (345.8) | (346.2) | (346.5) | (346.8) | (347.2) | (347.5) | (347.8) | (348.2) | (348.5) | (348.8) | (349.2) | (349.5) | (349.8) | (350.2) | (350.5) | (350.8) | (351.2) | (351.5) | (351.8) | (352.2) | (352.5) | (352.8) | (353.2) | (353.5) | (353.8) | (354.2) | (354.5) | (354.8) | (355.2) | (355.5) | (355.8) | (356.2) | (356.5) | (356.8) | (357.2) | (357.5) | (357.8) | (358.2) | (358.5) | (358.8) | (359.2) | (359.5) | (359.8) | (360.2) | (360.5) | (360.8) | (361.2) | (361.5) | (361.8) | (362.2) | (362.5) | (362.8) | (363.2) | (363.5) | (363.8) | (364.2) | (364.5) | (364.8) | (365.2) | (365.5) | (365.8) | (366.2) | (366.5) | (366.8) | (367.2) | (367.5) | (367.8) | (368.2) | (368.5) | (368.8) | (369.2) | (369.5) | (369.8) | (370.2) | (370.5) | (370.8) | (371.2) | (371.5) | (371.8) | (372.2) | (372.5) | (372.8) | (373.2) | (373.5) | (373.8) | (374.2) | (374.5) | (374.8) | (375.2) | (375.5) | (375.8) | (376.2) | (376.5) | (376.8) | (377.2) | (377.5) | (377.8) | (378.2) | (378.5) | (378.8) | (379.2) | (379.5) | (379.8) | (380.2) | (380.5) | (380.8) | (381.2) | (381.5) | (381.8) | (382.2) | (382.5) | (382.8) | (383.2) | (383.5) | (383.8) | (384.2) | (384.5) | (384.8) | (385.2) | (385.5) | (385.8) | (386.2) | (386.5) | (386.8) | (387.2) | (387.5) | (387.8) | (388.2) | (388.5) | (388.8) | (389.2) | (389.5) | (389.8) | (390.2) | (390.5) | (390.8) | (391.2) | (391.5) | (391.8) | (392.2) | (392.5) | (392.8) | (393.2) | (393.5) | (393.8) | (394.2) | (394.5) | (394.8) | (395.2) | (395.5) | (395.8) | (396.2) | (396.5) | (396.8) | (397.2) | (397.5) | (397.8) | (398.2) | (398.5) | (398.8) | (399.2) | (399.5) | (399.8) | (400.2) | (400.5) | (400.8) | (401.2) | (401.5) | (401.8) | (402.2) | (402.5) | (402.8) | (403.2) | (403.5) | (403.8) | (404.2) | (404.5) | (404.8) | (405.2) | (405.5) | (405.8) | (406.2) | (406.5) | (406.8) | (407.2) | (407.5) | (407.8) | (408.2) | (408.5) | (408.8) | (409.2) | (409.5) | (409.8) | (410.2) | (410.5) | (410.8) | (411.2) | (411.5) | (411.8) | (412.2) | (412.5) | (412.8) | (413.2) | (413.5) | (413.8) | (414.2) | (414.5) | (414.8) | (415.2) | (415.5) | (415.8) | (416.2) | (416.5) | (416.8) | (417.2) | (417.5) | (417.8) | (418.2) |
|--|-------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|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---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 1 | 153 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11. lin ²) |

| OVERALL MEASURED | OVERALL CALCULATED | PND3 |
|------------------|--------------------|------|
| 0.0007 | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| PROC. DATE - MONTH 8 DAY 30 HR. 16.6 | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00)(3.15)(3.30)(3.45)(3.60)(3.75)(3.90)(4.05)(4.20)(4.35)(4.50)(4.65)(4.80)(4.95)(5.10)(5.25)(5.40)(5.55)(5.70)(5.85)(6.00)(6.15)(6.30)(6.45)(6.60)(6.75)(6.90)(7.05)(7.20)(7.35)(7.50)(7.65)(7.80)(7.95)(8.10)(8.25)(8.40)(8.55)(8.70)(8.85)(9.00)(9.15)(9.30)(9.45)(9.60)(9.75)(9.90)(10.05)(10.20)(10.35)(10.50)(10.65)(10.80)(10.95)(11.10)(11.25)(11.40)(11.55)(11.70)(11.85)(12.00)(12.15)(12.30)(12.45)(12.60)(12.75)(12.90)(13.05)(13.20)(13.35)(13.50)(13.65)(13.80)(13.95)(14.10)(14.25)(14.40)(14.55)(14.70)(14.85)(15.00)(15.15)(15.30)(15.45)(15.60)(15.75)(15.90)(16.05)(16.20)(16.35)(16.50)(16.65)(16.80)(16.95)(17.10)(17.25)(17.40)(17.55)(17.70)(17.85)(18.00)(18.15)(18.30)(18.45)(18.60)(18.75)(18.90)(19.05)(19.20)(19.35)(19.50)(19.65)(19.80)(19.95)(20.10)(20.25)(20.40)(20.55)(20.70)(20.85)(21.00)(21.15)(21.30)(21.45)(21.60)(21.75)(21.90)(22.05)(22.20)(22.35)(22.50)(22.65)(22.80)(22.95)(23.10)(23.25)(23.40)(23.55)(23.70)(23.85)(24.00)(24.15)(24.30)(24.45)(24.60)(24.75)(24.90)(25.05)(25.20)(25.35)(25.50)(25.65)(25.80)(25.95)(26.10)(26.25)(26.40)(26.55)(26.70)(26.85)(27.00)(27.15)(27.30)(27.45)(27.60)(27.75)(27.90)(28.05)(28.20)(28.35)(28.50)(28.65)(28.80)(28.95)(29.10)(29.25)(29.40)(29.55)(29.70)(29.85)(30.00)(30.15)(30.30)(30.45)(30.60)(30.75)(30.90)(31.05)(31.20)(31.35)(31.50)(31.65)(31.80)(31.95)(32.10)(32.25)(32.40)(32.55)(32.70)(32.85)(33.00)(33.15)(33.30)(33.45)(33.60)(33.75)(33.90)(34.05)(34.20)(34.35)(34.50)(34.65)(34.80)(34.95)(35.10)(35.25)(35.40)(35.55)(35.70)(35.85)(36.00)(36.15)(36.30)(36.45)(36.60)(36.75)(36.90)(37.05)(37.20)(37.35)(37.50)(37.65)(37.80)(37.95)(38.10)(38.25)(38.40)(38.55)(38.70)(38.85)(39.00)(39.15)(39.30)(39.45)(39.60)(39.75)(39.90)(40.05)(40.20)(40.35)(40.50)(40.65)(40.80)(40.95)(41.10)(41.25)(41.40)(41.55)(41.70)(41.85)(42.00)(42.15)(42.30)(42.45)(42.60)(42.75)(42.90)(43.05)(43.20)(43.35)(43.50)(43.65)(43.80)(43.95)(44.10)(44.25)(44.40)(44.55)(44.70)(44.85)(45.00)(45.15)(45.30)(45.45)(45.60)(45.75)(45.90)(46.05)(46.20)(46.35)(46.50)(46.65)(46.80)(46.95)(47.10)(47.25)(47.40)(47.55)(47.70)(47.85)(48.00)(48.15)(48.30)(48.45)(48.60)(48.75)(48.90)(49.05)(49.20)(49.35)(49.50)(49.65)(49.80)(49.95)(50.10)(50.25)(50.40)(50.55)(50.70)(50.85)(51.00)(51.15)(51.30)(51.45)(51.60)(51.75)(51.90)(52.05)(52.20)(52.35)(52.50)(52.65)(52.80)(52.95)(53.10)(53.25)(53.40)(53.55)(53.70)(53.85)(54.00)(54.15)(54.30)(54.45)(54.60)(54.75)(54.90)(55.05)(55.20)(55.35)(55.50)(55.65)(55.80)(55.95)(56.10)(56.25)(56.40)(56.55)(56.70)(56.85)(57.00)(57.15)(57.30)(57.45)(57.60)(57.75)(57.90)(58.05)(58.20)(58.35)(58.50)(58.65)(58.80)(58.95)(59.10)(59.25)(59.40)(59.55)(59.70)(59.85)(60.00)(60.15)(60.30)(60.45)(60.60)(60.75)(60.90)(61.05)(61.20)(61.35)(61.50)(61.65)(61.80)(61.95)(62.10)(62.25)(62.40)(62.55)(62.70)(62.85)(63.00)(63.15)(63.30)(63.45)(63.60)(63.75)(63.90)(64.05)(64.20)(64.35)(64.50)(64.65)(64.80)(64.95)(65.10)(65.25)(65.40)(65.55)(65.70)(65.85)(66.00)(66.15)(66.30)(66.45)(66.60)(66.75)(66.90)(67.05)(67.20)(67.35)(67.50)(67.65)(67.80)(67.95)(68.10)(68.25)(68.40)(68.55)(68.70)(68.85)(69.00)(69.15)(69.30)(69.45)(69.60)(69.75)(69.90)(70.05)(70.20)(70.35)(70.50)(70.65)(70.80)(70.95)(71.10)(71.25)(71.40)(71.55)(71.70)(71.85)(72.00)(72.15)(72.30)(72.45)(72.60)(72.75)(72.90)(73.05)(73.20)(73.35)(73.50)(73.65)(73.80)(73.95)(74.10)(74.25)(74.40)(74.55)(74.70)(74.85)(75.00)(75.15)(75.30)(75.45)(75.60)(75.75)(75.90)(76.05)(76.20)(76.35)(76.50)(76.65)(76.80)(76.95)(77.10)(77.25)(77.40)(77.55)(77.70)(77.85)(78.00)(78.15)(78.30)(78.45)(78.60)(78.75)(78.90)(79.05)(79.20)(79.35)(79.50)(79.65)(79.80)(79.95)(80.10)(80.25)(80.40)(80.55)(80.70)(80.85)(81.00)(81.15)(81.30)(81.45)(81.60)(81.75)(81.90)(82.05)(82.20)(82.35)(82.50)(82.65)(82.80)(82.95)(83.10)(83.25)(83.40)(83.55)(83.70)(83.85)(84.00)(84.15)(84.30)(84.45)(84.60)(84.75)(84.90)(85.05)(85.20)(85.35)(85.50)(85.65)(85.80)(85.95)(86.10)(86.25)(86.40)(86.55)(86.70)(86.85)(87.00)(87.15)(87.30)(87.45)(87.60)(87.75)(87.90)(88.05)(88.20)(88.35)(88.50)(88.65)(88.80)(88.95)(89.10)(89.25)(89.40)(89.55)(89.70)(89.85)(90.00)(90.15)(90.30)(90.45)(90.60)(90.75)(90.90)(91.05)(91.20)(91.35)(91.50)(91.65)(91.80)(91.95)(92.10)(92.25)(92.40)(92.55)(92.70)(92.85)(93.00)(93.15)(93.30)(93.45)(93.60)(93.75)(93.90)(94.05)(94.20)(94.35)(94.50)(94.65)(94.80)(94.95)(95.10)(95.25)(95.40)(95.55)(95.70)(95.85)(96.00)(96.15)(96.30)(96.45)(96.60)(96.75)(96.90)(97.05)(97.20)(97.35)(97.50)(97.65)(97.80)(97.95)(98.10)(98.25)(98.40)(98.55)(98.70)(98.85)(99.00)(99.15)(99.30)(99.45)(99.60)(99.75)(99.90)(100.05)(100.20)(100.35)(100.50)(100.65)(100.80)(100.95)(101.10)(101.25)(101.40)(101.55)(101.70)(101.85)(102.00)(102.15)(102.30)(102.45)(102.60)(102.75)(102.90)(103.05)(103.20)(103.35)(103.50)(103.65)(103.80)(103.95)(104.10)(104.25)(104.40)(104.55)(104.70)(104.85)(105.00)(105.15)(105.30)(105.45)(105.60)(105.75)(105.90)(106.05)(106.20)(106.35)(106.50)(106.65)(106.80)(106.95)(107.10)(107.25)(107.40)(107.55)(107.70)(107.85)(108.00)(108.15)(108.30)(108.45)(108.60)(108.75)(108.90)(109.05)(109.20)(109.35)(109.50)(109.65)(109.80)(109.95)(110.10)(110.25)(110.40)(110.55)(110.70)(110.85)(111.00)(111.15)(111.30)(111.45)(111.60)(111.75)(111.90)(112.05)(112.20)(112.35)(112.50)(112.65)(112.80)(112.95)(113.10)(113.25)(113.40)(113.55)(113.70)(113.85)(114.00)(114.15)(114.30)(114.45)(114.60)(114.75)(114.90)(115.05)(115.20)(115.35)(115.50)(115.65)(115.80)(115.95)(116.10)(116.25)(116.40)(116.55)(116.70)(116.85)(117.00)(117.15)(117.30)(117.45)(117.60)(117.75)(117.90)(118.05)(118.20)(118.35)(118.50)(118.65)(118.80)(118.95)(119.10)(119.25)(119.40)(119.55)(119.70)(119.85)(120.00)(120.15)(120.30)(120.45)(120.60)(120.75)(120.90)(121.05)(121.20)(121.35)(121.50)(121.65)(121.80)(121.95)(122.10)(122.25)(122.40)(122.55)(122.70)(122.85)(123.00)(123.15)(123.30)(123.45)(123.60)(123.75)(123.90)(124.05)(124.20)(124.35)(124.50)(124.65)(124.80)(124.95)(125.10)(125.25)(125.40)(125.55)(125.70)(125.85)(126.00)(126.15)(126.30)(126.45)(126.60)(126.75)(126.90)(127.05)(127.20)(127.35)(127.50)(127.65)(127.80)(127.95)(128.10)(128.25)(128.40)(128.55)(128.70)(128.85)(129.00)(129.15)(129.30)(129.45)(129.60)(129.75)(129.90)(130.05)(130.20)(130.35)(130.50)(130.65)(130.80)(130.95)(131.10)(131.25)(131.40)(131.55)(131.70)(131.85)(132.00)(132.15)(132.30)(132.45)(132.60)(132.75)(132.90)(133.05)(133.20)(133.35)(133.50)(133.65)(133.80)(133.95)(134.10)(134.25)(134.40)(134.55)(134.70)(134.85)(135.00)(135.15)(135.30)(135.45)(135.60)(135.75)(135.90)(136.05)(136.20)(136.35)(136.50)(136.65)(136.80)(136.95)(137.10)(137.25)(137.40)(137.55)(137.70)(137.85)(138.00)(138.15)(138.30)(138.45)(138.60)(138.75)(138.90)(139.05)(139.20)(139.35)(139.50)(139.65)(139.80)(139.95)(140.10)(140.25)(140.40)(140.55)(140.70)(140.85)(141.00)(141.15)(141.30)(141.45)(141.60)(141.75)(141.90)(142.05)(142.20)(142.35)(142.50)(142.65)(142.80)(142.95)(143.10)(143.25)(143.40)(143.55)(143.70)(143.85)(144.00)(144.15)(144.30)(144.45)(144.60)(144.75)(144.90)(145.05)(145.20)(145.35)(145.50)(145.65)(145.80)(145.95)(146.10)(146.25)(146.40)(146.55)(146.70)(146.85)(147.00)(147.15)(147.30)(147.45)(147.60)(147.75)(147.90)(148.05)(148.20)(148.35)(148.50)(148.65)(148.80)(148.95)(149.10)(149.25)(149.40)(149.55)(149.70)(149.85)(150.00)(150.15)(150.30)(150.45)(150.60)(150.75)(150.90)(151.05)(151.20)(151.35)(151.50)(151.65)(151.80)(151.95)(152.10)(152.25)(152.40)(152.55)(152.70)(152.85)(153.00)(153.15)(153.30)(153.45)(153.60)(153.75)(153.90)(154.05)(154.20)(154.35)(154.50)(154.65)(154.80)(154.95)(155.10)(155.25)(155.40)(155.55)(155.70)(155.85)(156.00)(156.15)(156.30)(156.45)(156.60)(156.75)(156.90)(157.05)(157.20)(157.35)(157.50)(157.65)(157.80)(157.95)(158.10)(158.25)(158.40)(158.55)(158.70)(158.85)(159.00)(159.15)(159.30)(159.45)(159.60)(159.75)(159.90)(160.05)(160.20)(160.35)(160.50)(160.65)(160.80)(160.95)(161.10)(161.25)(161.40)(161.55)(161.70)(161.85)(162.00)(162.15)(162.30)(162.45)(162.60)(162.75)(162.90)(163.05)(163.20)(163.35)(163.50)(163.65)(163.80)(163.95)(164.10)(164.25)(164.40)(164.55)(164.70)(164.85)(165.00)(165.15)(165.30)(165.45)(165.60)(165.75)(165.90)(166.05)(166.20)(166.35)(166.50)(166.65)(166.80)(166.95)(167.10)(167.25)(167.40)(167.55)(167.70)(167.85)(168.00)(168.15)(168.30)(168.45)(168.60)(168.75)(168.90)(169.05)(169.20)(169.35)(169.50)(169.65)(169.80)(169.95)(170.10)(170.25)(170.40)(170.55)(170.70)(170.85)(171.00)(171.15)(171.30)(171.45)(171.60)(171.75)(171.90)(172.05)(172.20)(172.35)(172.50)(172.65)(172.80)(172.95)(173.10)(173.25)(173.40)(173.55)(173.70)(173.85)(174.00)(174.15)(174.30)(174.45)(174.60)(174.75)(174.90)(175.05)(175.20)(175.35)(175.50)(175.65)(175.80)(175.95)(176.10)(176.25)(176.40)(176.55)(176.70)(176.85)(177.00)(177.15)(177.30)(177.45)(177.60)(177.75)(177.90)(178.05)(178.20)(178.35)(178.50)(178.65)(178.80)(178.95)(179.10)(179.25)(179.40)(179.55)(179.70)(179.85)(180.00)(180.15)(180.30)(180.45)(180.60)(180.75)(180.90)(181.05)(181.20)(181.35)(181.50)(181.65)(181.80)(181.95)(182.10)(182.25)(182.40)(182.55)(182.70)(182.85)(183.00)(183.15)(183.30)(183.45)(183.60)(183.75)(183.90)(184.05)(184.20)(184.35)(184.50)(184.65)(184.80)(184.95)(185.10)(185.25)(185.40)(185.55)(185.70)(185.85)(186.00)(186.15)(186.30)(186.45)(186.60)(186.75)(186.90)(187.05)(187.20)(187.35)(187.50)(187.65)(187.80)(187.95)(188.10)(188.25)(188.40)(188.55)(188.70)(188.85)(189.00)(189.15)(189.30)(189.45)(189.60)(189.75)(189.90)(190.05)(190.20)(190.35)(190.50)(190.65)(190.80)(190.95)(191.10)(191.25)(191.40)(191.55)(191.70)(191.85)(192.00)(192.15)(192.30)(192.45)(192.60)(192.75)(192.90)(193.05)(193.20)(193.35)(193.50)(193.65)(193.80)(193.95)(194.10)(194.25)(194.40)(194.55)(194.70)(194.85)(195.00)(195.15)(195.30)(195.45)(195.60)(195.75)(195.90)(196.05)(196.20)(196.35)(196.50)(196.65)(196.80)(196.95)(197.10)(197.25)(197.40)(197.55)(197.70)(197.85)(198.00)(198.15)(198.30)(198.45)(198.60)(198.75)(198.90)(199.05)(199.20)(199.35)(199.50)(199.65)(199.80)(199.95)(200.10)(200.25)(200.40)(200.55)(200.70)(200.85)(201.00)(201.15)(201.30)(201.45)(201.60)(201.75)(201.90)(202.05)(202.20)(202.35)(202.50)(202.65)(202.80)(202.95)(203.10)(203.25)(203.40)(203.55)(203.70)(203.85)(204.00)(204.15)(204.30)(204.45)(204.60)(204.75)(204.90)(205.05)(205.20)(205.35)(205.50)(205.65)(205.80)(205.95)(206.10)(206.25)(206.40)(206.55)(206.70)(206.85)(207.00)(207.15)(207.30)(207.45)(207.60)(207.75)(207.90)(208.05)(208.20)(208.35)(208.50)(208.65)(208.80)(208.95)(209.10)(209.25)(209.40)(209.55)(209.70)(209.85)(210.00)(210.15)(210.30)(210.45)(210.60)(210.75)(210.90)(211.05)(211.20)(211.35)(211.50)(211.65)(211.80)(211.95)(212.10)(212.25)(212.40)(212.55)(212.70)(212.85)(213.00)(213.15)(213.30)(213.45)(213.60)(213.75)(213.90)(214.05)(214.20)(214.35)(214.50)(214.65)(214.80)(214.95)(215.10)(215.25)(215.40)(215.55)(215.70)(215.85)(216.00)(216.15)(216.30)(216.45)(216.60)(216.75)(216.90)(217.05)(217.20)(217.35)(217.50)(217.65)(217.80)(217.95)(218.10)(218.25)(218.40)(218.55)(218.70)(218.85)(219.00)(219.15)(219.30)(219.45)(219.60)(219.75)(219.90)(220.05)(220.20)(220.35)(220.50)(220.65)(220.80)(220.95)(221.10)(221.25)(221.40)(221.55)(221.70)(221.85)(222.00)(222.15)(222.30)(222.45)(222.60)(222.75)(222.90)(223.05)(223.20)(223.35)(223.50)(223.65)(223.80)(223.95)(224.10)(224.25)(224.40)(224.55)(224.70)(224.85)(225.00)(225.15)(225.30)(225.45)(225.60)(225.75)(225.90)(226.05)(226.20)(226.35)(226.50)(226.65)(226.80)(226.95)(227.10)(227.25)(227.40)(227.55)(227.70)(227.85)(228.00)(228.15)(228.30)(228.45)(228.60)(228.75)(228.90)(229.05)(229.20)(229.35)(229.50)(229.65)(229.80)(229.95)(230.10)(230.25)(230.40)(230.55)(230.70)(230.85)(231.00)(231.15)(231.30)(231.45)(231.60)(231.75)(231.90)(232.05)(232.20)(232.35)(232.50)(232.65)(232.80)(232.95)(233.10)(233.25)(233.40)(233.55)(233.70)(233.85)(234.00)(234.15)(234.30)(234.45)(234.60)(234.75)(234.90)(235.05)(235.20)(235.35)(235.50)(235.65)(235.80)(235.95)(236.10)(236.25)(236.40)(236.55)(236.70)(236.85)(237.00)(237.15)(237.30)(237.45)(237.60)(237.75)(237.90)(238.05)(238.20)(238.35)(238.50)(238.65)(238.80)(238.95)(239.10)(239.25)(239.40)(239.55)(239.70)(239.85)(240.00)(240.15)(240.30)(240.45)(240.60)(240.75)(240.90)(241.05)(241.20)(241.35)(241.50)(241.65)(241.80)(241.95)(242.10)(242.25)(242.40)(242.55)(242.70)(242.85)(243.00)(243.15)(243.30)(243.45)(243.60)(243.75)(243.90)(244.05)(244.20)(244.35)(244.50)(244.65)(244.80)(244.95)(245.10)(245.25)(245.40)(245.55)(245.70)(245.85)(246.00)(246.15)(246.30)(246.45)(246.60)(246.75)(246.90)(247.05)(247.20)(247.35)(247.50)(247.65)(247.80)(247.95)(248.10)(248.25)(248.40)(248.55)(248.70)(248.85)(249.00)(249.15)(249.30)(249.45)(249.60)(249.75)(249.90)(250.05)(250.20)(250.35)(250.50)(250.65)(250.80)(250.95)(251.10)(251.25)(251.40)(251.55)(251.70)(251.85)(252.00)(252.15)(252.30)(252.45)(252.60)(252.75)(252.90)(253.05)(253.20)(253.35)(253.50)(253.65)(253.80)(253.95)(254.10)(254.25)(254.40)(254.55)(254.70)(254.85)(255.00)(255.15)(255.30)(255.45)(255.60)(255.75)(255.90)(256.05)(256.20)(256.35)(256.50)(256.65)(256.80)(256.95)(257.10)(257.25)(257.40)(257.55)(257.70)(257.85)(258.00)(258.15)(258.30)(258.45)(258.60)(258.75)(258.90)(259.05)(259.20)(259.35)(259.50)(259.65)(259.80)(260.00)(260.15)(260.30)(260.45)(260.60)(260.75)(260.90)(261.05)(261.20)(261.35)(261.50)(261.65)(261.80)(261.95)(262.10)(262.25)(262.40)(262.55)(262.70)(262.85)(263.00)(263.15)(263.30)(263.45)(263.60)(263.75)(263.90)(264.05)(264.20)(264.35)(264.50)(264.65)(264.80)(264.95)(265.10)(265.25)(265.40)(265.55)(265.70)(265.85)(266.00)(266.15)(266.30)(266.45)(266.60)(266.75)(266.90)(267.05)(267.20)(267.35)(267.50)(267.65)(267.80)(267.95)(268.10)(268.25)(268.40)(268.55)(268.70)(268.85)(269.00)(269.15)(269.30)(269.45)(269.60)(269.75)(269.90)(270.05)(270.20)(270.35)(270.50)(270.65)(270.80)(270.95)(271.10)(271.25)(271.40)(271.55)(271.70)(271.85)(272.00)(272.15)(272.30)(272.45)(272.60)(272.75)(272.90)(273.05)(273.20)(273.35)(273.50)(273.65)(273.80)(273.95)(274.10)(274.25)(27 | | | | | | | | | |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | |
|--------------------|---------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| | | (0.) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| FREQ. | | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 |
| NO EGA | | 49.2 | 54.8 | 56.1 | 57.4 | 59.4 | 60.1 | 61.4 | 63.4 | 65.6 | 68.3 | 71.0 | 74.1 | 76.7 |
| SIDELINE 2400. FT. | | 50.6 | 55.0 | 58.1 | 58.1 | 60.1 | 60.6 | 62.1 | 64.1 | 67.1 | 70.6 | 74.7 | 78.8 | 82.9 |
| (731.52 M) | | 51.4 | 56.5 | 58.6 | 58.9 | 60.4 | 62.1 | 63.4 | 65.6 | 68.9 | 72.8 | 76.2 | 79.3 | 82.9 |
| NFA | 1. RPM | 52.9 | 57.0 | 59.1 | 59.9 | 61.9 | 63.2 | 64.2 | 66.2 | 68.9 | 73.3 | 76.7 | 80.0 | 83.4 |
| (| 0. RAD/SEC) | 53.8 | 58.4 | 60.6 | 60.8 | 62.1 | 63.9 | 65.6 | 67.6 | 70.1 | 72.7 | 75.8 | 79.1 | 82.5 |
| NFK | 1. RPM | 55.9 | 59.9 | 62.5 | 62.3 | 63.3 | 65.1 | 66.3 | 68.3 | 70.5 | 72.9 | 73.7 | 72.2 | 66.7 |
| (| 0. RAD/SEC) | 55.5 | 60.8 | 63.2 | 63.0 | 64.3 | 65.5 | 66.8 | 68.5 | 70.9 | 72.9 | 72.4 | 69.8 | 63.4 |
| NFD | 7500. RPM | 55.4 | 60.9 | 63.9 | 61.9 | 64.5 | 66.0 | 67.5 | 69.4 | 71.4 | 72.5 | 70.5 | 67.8 | 61.0 |
| (| 785. RAD/SEC) | 56.1 | 62.2 | 63.7 | 63.5 | 65.8 | 66.6 | 67.6 | 70.0 | 71.2 | 72.0 | 69.4 | 67.2 | 59.7 |
| AIRFLOW RATIO | | 60.1 | 66.7 | 65.8 | 66.1 | 67.2 | 68.2 | 68.2 | 70.1 | 72.0 | 72.1 | 70.9 | 69.5 | 62.0 |
| W/F/M 5.81 | | 61.0 | 68.8 | 66.2 | 66.0 | 67.9 | 70.2 | 69.9 | 70.8 | 72.9 | 72.2 | 69.4 | 68.4 | 62.5 |
| VEHICLE | CELL 41 | 630 | 68.0 | 74.1 | 66.8 | 68.2 | 73.1 | 75.8 | 74.1 | 73.2 | 77.3 | 74.5 | 71.1 | 70.6 |
| CONFIG | NC30 | 58.5 | 64.3 | 65.8 | 65.0 | 70.4 | 69.9 | 71.1 | 72.0 | 71.0 | 69.7 | 67.1 | 68.1 | 62.7 |
| LOC | C41 ANECH CH | 1000 | 54.9 | 61.1 | 64.3 | 64.8 | 67.5 | 67.5 | 67.7 | 69.0 | 69.8 | 67.6 | 65.3 | 64.2 |
| DATE | 05-25-76 | 1250 | 54.5 | 59.5 | 61.4 | 62.5 | 64.9 | 66.5 | 67.4 | 67.7 | 68.6 | 66.3 | 63.3 | 62.5 |
| RUN | CONF/ZEROFLW | 1600 | 50.6 | 56.5 | 58.8 | 61.0 | 64.5 | 65.5 | 67.0 | 66.5 | 64.1 | 60.5 | 58.8 | 50.2 |
| IAPE | XU1530 | 2000 | 47.4 | 54.1 | 55.7 | 57.8 | 61.3 | 62.7 | 63.0 | 63.8 | 62.5 | 60.3 | 56.3 | 53.9 |
| FAN TIP SPEED | | 2500 | 42.5 | 50.1 | 52.1 | 54.8 | 59.1 | 60.5 | 61.2 | 61.0 | 60.8 | 57.2 | 52.3 | 48.3 |
| FT/SEC | | 3150 | 35.1 | 43.6 | 46.2 | 49.1 | 54.4 | 54.6 | 56.3 | 56.4 | 56.0 | 50.6 | 45.3 | 38.8 |
| | | 4000 | 25.5 | 36.7 | 38.6 | 41.2 | 45.4 | 47.3 | 48.7 | 47.9 | 42.2 | 37.4 | 25.9 | 6.4 |
| | | 5000 | 20.2 | 33.2 | 35.3 | 38.2 | 42.9 | 45.0 | 45.8 | 46.5 | 44.8 | 38.8 | 30.6 | 19.0 |
| | | 6300 | 4.6 | 21.8 | 26.0 | 28.6 | 32.2 | 36.1 | 35.7 | 37.2 | 34.0 | 28.0 | 17.1 | 0.3 |
| | | 8000 | | 4.3 | 9.5 | 13.6 | 16.4 | 2 | | | | | | |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 1 | 153 | 731.5m(2400ft.) | SIDELINE
FULL-33m ² (513sq.ft.) |

| NO EGA | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | 53 | (3.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.50) |
| 100 | 64.9 | 75.4 | 72.9 | 73.0 | 73.5 | 73.7 | 73.8 | 73.7 | 75.9 | 78.2 | 82.2 | 85.4 | 82.9 | 118.7 | | | | |
| 105 | 65.1 | 69.9 | 71.9 | 72.2 | 73.0 | 73.6 | 74.5 | 73.7 | 75.1 | 75.2 | 80.6 | 82.8 | 83.6 | 118.4 | | | | |
| 110 | 65.6 | 69.2 | 70.9 | 70.5 | 71.8 | 71.4 | 72.0 | 72.2 | 75.2 | 80.7 | 82.7 | 85.1 | 85.4 | 119.5 | | | | |
| 115 | 67.5 | 70.0 | 71.8 | 72.1 | 71.9 | 73.0 | 73.7 | 75.1 | 79.3 | 82.9 | 85.6 | 88.5 | 89.5 | 123.3 | | | | |
| 120 | 68.1 | 70.6 | 71.8 | 71.9 | 73.5 | 74.8 | 76.5 | 76.6 | 82.3 | 84.7 | 88.6 | 90.0 | 90.5 | 124.2 | | | | |
| 125 | 69.9 | 73.4 | 74.4 | 74.7 | 76.1 | 76.7 | 78.1 | 79.2 | 82.9 | 87.0 | 90.2 | 93.1 | 93.9 | 127.2 | | | | |
| 130 | 71.2 | 74.0 | 75.7 | 75.2 | 76.6 | 77.2 | 78.8 | 79.7 | 84.5 | 89.3 | 94.0 | 95.2 | 95.5 | 129.5 | | | | |
| 135 | 72.5 | 75.0 | 76.0 | 75.8 | 77.4 | 78.0 | 79.9 | 81.1 | 85.9 | 90.1 | 94.1 | 96.0 | 96.5 | 130.3 | | | | |
| 140 | 73.9 | 76.1 | 77.4 | 76.9 | 78.3 | 79.1 | 80.8 | 81.4 | 85.9 | 90.2 | 93.7 | 95.3 | 95.4 | 133.3 | | | | |
| 145 | 74.1 | 77.2 | 77.9 | 77.9 | 78.5 | 80.2 | 82.3 | 82.7 | 87.6 | 91.0 | 92.9 | 93.4 | 93.2 | 129.2 | | | | |
| 150 | 75.7 | 78.0 | 80.2 | 79.0 | 79.6 | 81.0 | 82.6 | 83.8 | 88.3 | 90.8 | 90.8 | 90.3 | 88.3 | 128.3 | | | | |
| 155 | 75.8 | 79.6 | 81.1 | 80.4 | 80.9 | 81.8 | 83.2 | 83.9 | 88.8 | 90.9 | 90.8 | 90.3 | 88.3 | 129.2 | | | | |
| 160 | 77.1 | 80.7 | 82.2 | 80.2 | 82.6 | 83.4 | 84.6 | 85.5 | 89.4 | 91.3 | 90.2 | 88.9 | 87.7 | 128.5 | | | | |
| 165 | 77.4 | 82.2 | 82.2 | 81.8 | 83.1 | 84.0 | 85.1 | 86.0 | 89.7 | 91.3 | 90.8 | 89.7 | 88.0 | 128.9 | | | | |
| 170 | 83.0 | 87.3 | 85.8 | 85.1 | 85.2 | 86.3 | 86.2 | 86.9 | 93.6 | 91.2 | 92.4 | 91.5 | 91.6 | 130.7 | | | | |
| 175 | 83.0 | 89.1 | 86.1 | 85.4 | 86.7 | 87.1 | 87.5 | 88.1 | 93.6 | 91.4 | 90.6 | 90.8 | 90.3 | 130.2 | | | | |
| 180 | 84.1 | 89.4 | 85.7 | 83.9 | 87.3 | 88.1 | 88.3 | 87.7 | 89.9 | 90.8 | 89.9 | 89.8 | 91.1 | 130.8 | | | | |
| 185 | 82.9 | 87.3 | 84.3 | 85.1 | 87.7 | 88.3 | 88.4 | 88.8 | 91.6 | 90.2 | 90.6 | 91.0 | 91.3 | 131.2 | | | | |
| 190 | 79.0 | 82.9 | 84.2 | 84.7 | 85.8 | 86.4 | 87.0 | 88.4 | 93.7 | 89.3 | 90.8 | 91.4 | 91.6 | 131.5 | | | | |
| 195 | 79.4 | 82.0 | 82.6 | 82.8 | 84.9 | 85.8 | 86.9 | 87.3 | 89.9 | 89.3 | 89.4 | 89.8 | 91.0 | 129.9 | | | | |
| 200 | 77.6 | 80.5 | 80.9 | 81.9 | 84.7 | 85.3 | 85.9 | 87.1 | 89.4 | 88.1 | 88.0 | 88.3 | 89.8 | 129.2 | | | | |
| 205 | 75.4 | 78.2 | 78.9 | 80.6 | 83.1 | 83.7 | 85.0 | 85.6 | 87.2 | 85.2 | 85.5 | 85.5 | 86.5 | 127.7 | | | | |
| 210 | 74.4 | 77.5 | 77.3 | 78.4 | 81.9 | 83.3 | 83.5 | 84.7 | 85.3 | 84.4 | 84.4 | 82.9 | 84.5 | 127.3 | | | | |
| 215 | 74.4 | 77.5 | 77.3 | 78.4 | 81.9 | 83.3 | 83.5 | 84.7 | 85.3 | 84.4 | 84.4 | 82.9 | 84.5 | 127.3 | | | | |
| 220 | 71.3 | 73.8 | 74.5 | 75.3 | 79.8 | 79.6 | 81.4 | 82.3 | 83.8 | 81.7 | 81.7 | 80.5 | 81.1 | 125.7 | | | | |
| 225 | 68.9 | 72.1 | 72.2 | 72.1 | 75.6 | 76.0 | 77.6 | 79.6 | 83.9 | 81.7 | 81.0 | 77.4 | 78.4 | 124.5 | | | | |
| 230 | 66.2 | 69.6 | 71.2 | 70.5 | 74.0 | 73.7 | 75.7 | 78.5 | 76.1 | 77.4 | 75.6 | 76.2 | 76.2 | 124.4 | | | | |
| 235 | 62.5 | 66.7 | 68.6 | 67.9 | 69.2 | 70.9 | 70.9 | 77.5 | 74.8 | 73.3 | 75.7 | 73.5 | 74.4 | 125.1 | | | | |
| 240 | 57.3 | 62.1 | 65.2 | 63.9 | 64.0 | 64.5 | 65.8 | 76.2 | 69.4 | 68.6 | 73.7 | 70.6 | 70.8 | 126.2 | | | | |
| 245 | 53.2 | 57.1 | 61.7 | 58.6 | 59.2 | 59.1 | 60.3 | 74.4 | 66.5 | 64.8 | 71.1 | 67.6 | 67.1 | 129.7 | | | | |
| 250 | 48.9 | 53.3 | 59.1 | 55.3 | 54.3 | 54.9 | 54.6 | 68.8 | 59.9 | 62.8 | 69.6 | 65.6 | 64.9 | 135.2 | | | | |
| OVERALL MEASURED | | 91.7 | 96.1 | 94.9 | 94.6 | 96.4 | 97.2 | 97.9 | 98.7 | 101.5 | 102.7 | 104.1 | 104.7 | 105.0 | | | | |
| OVERALL CALCULATED | | 105.4 | 110.0 | 108.3 | 107.8 | 109.5 | 110.3 | 110.8 | 111.2 | 114.1 | 115.3 | 116.0 | 116.0 | 116.3 | | | | |
| PNDB | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| I | 154 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11.1in ²) |

PROC. DATE - MONTH 8 DAY 30 HR. 16.3
ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIANS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
|------------------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|----|----|----|----|----|-------|
| NO EGA | 50 | 75.1 | 78.6 | 79.6 | 79.9 | 81.3 | 81.9 | 83.3 | 84.4 | 88.1 | 92.2 | 95.4 | 98.3 | 99.1 | | | | | | 144.0 |
| RDG. NO. | 63 | 76.4 | 79.2 | 80.9 | 80.4 | 81.3 | 82.4 | 84.0 | 84.9 | 89.7 | 94.5 | 99.2 | 100.4 | 100.7 | | | | | | 146.3 |
| RADIAL 150. FT. | 80 | 77.7 | 80.2 | 81.2 | 81.0 | 82.6 | 83.2 | 85.1 | 86.3 | 89.7 | 95.3 | 99.3 | 101.2 | 101.7 | | | | | | 146.9 |
| VEHICLE | 100 | 79.1 | 81.3 | 82.6 | 82.1 | 83.5 | 84.3 | 86.0 | 86.6 | 91.1 | 95.4 | 98.9 | 100.5 | 100.6 | | | | | | 146.5 |
| CELL41 | 125 | 79.3 | 82.4 | 83.1 | 83.1 | 83.7 | 85.4 | 87.5 | 87.9 | 92.6 | 96.2 | 98.1 | 98.6 | 98.4 | | | | | | 145.9 |
| CONFIG | 160 | 80.9 | 83.2 | 85.4 | 84.2 | 84.3 | 86.2 | 87.8 | 89.0 | 93.2 | 96.0 | 98.5 | 98.1 | 94.9 | | | | | | 144.9 |
| NC30 | 200 | 81.0 | 84.8 | 86.3 | 85.6 | 86.2 | 87.0 | 88.4 | 89.1 | 94.0 | 96.1 | 96.1 | 95.2 | 93.5 | | | | | | 144.9 |
| LOC C41 ARECH CH | 250 | 82.4 | 85.9 | 87.4 | 85.4 | 87.3 | 88.6 | 89.8 | 90.7 | 94.7 | 96.5 | 95.4 | 94.1 | 92.9 | | | | | | 145.2 |
| DATE 05-25-76 | 315 | 82.7 | 87.4 | 87.5 | 87.0 | 88.3 | 89.2 | 90.3 | 91.2 | 94.7 | 96.5 | 96.0 | 94.9 | 93.2 | | | | | | 145.5 |
| RUN CONFIZEROFLW | 400 | 88.3 | 92.6 | 91.1 | 90.4 | 90.5 | 91.6 | 91.5 | 92.1 | 95.8 | 96.4 | 97.6 | 96.8 | 96.8 | | | | | | 147.4 |
| TAPE X01540 | 500 | 88.3 | 94.4 | 91.4 | 90.7 | 92.0 | 92.4 | 92.7 | 93.4 | 95.9 | 96.7 | 95.9 | 96.1 | 95.6 | | | | | | 147.5 |
| BAR 29.4 MG | 630 | 89.4 | 94.7 | 91.0 | 89.3 | 92.6 | 93.5 | 93.6 | 93.0 | 95.3 | 96.1 | 95.3 | 95.2 | 96.5 | | | | | | 147.5 |
| (99347. N/M2) | 800 | 88.3 | 92.6 | 89.7 | 90.4 | 93.0 | 93.6 | 93.8 | 94.2 | 96.9 | 95.5 | 96.0 | 96.4 | 96.6 | | | | | | 147.8 |
| IABH 61. DEG F | 1000 | 84.5 | 88.4 | 89.7 | 90.2 | 91.3 | 91.9 | 92.5 | 93.9 | 96.2 | 94.8 | 96.2 | 96.9 | 97.1 | | | | | | 147.2 |
| (289. DEG K) | 1250 | 85.0 | 87.7 | 88.3 | 88.5 | 90.6 | 91.4 | 92.6 | 93.0 | 95.3 | 94.9 | 95.1 | 95.4 | 96.7 | | | | | | 146.5 |
| TWET 53. DEG F | 1600 | 83.5 | 86.4 | 86.8 | 87.8 | 90.6 | 91.2 | 91.8 | 93.0 | 94.3 | 94.0 | 93.9 | 94.2 | 95.7 | | | | | | 145.8 |
| (285. DEG K) | 2000 | 81.7 | 84.5 | 85.2 | 86.9 | 89.4 | 90.0 | 91.3 | 91.9 | 93.4 | 91.4 | 91.8 | 91.8 | 92.8 | | | | | | 144.4 |
| HACT 7.77 GM/M3 | 2500 | 81.3 | 84.4 | 84.2 | 85.3 | 88.9 | 90.2 | 90.4 | 91.6 | 93.2 | 91.3 | 91.4 | 89.8 | 91.4 | | | | | | 144.0 |
| (.00777 KG/M3) | 3150 | 79.1 | 81.5 | 82.3 | 83.1 | 87.5 | 87.4 | 89.1 | 90.1 | 91.5 | 89.5 | 89.5 | 88.3 | 88.9 | | | | | | 142.4 |
| ERREQ-SHIFT | 4000 | 77.8 | 81.0 | 81.1 | 81.0 | 84.4 | 84.9 | 86.4 | 88.5 | 89.8 | 87.0 | 89.9 | 86.3 | 87.2 | | | | | | 141.0 |
| JET | 500 | | | | | | | | | | | | | | | | | | | |

REPRODUCIBILITY OF THE
ORIGINAL

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 1 | 154 | 45.7m(150ft.) ARC | FULL-.33m ² (513in. ²) |

PROC. DATE - MONTH 8 DAY 30 HR. 16.3

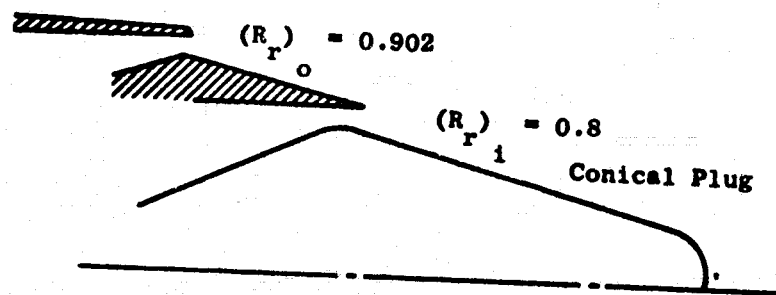
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | |
|---|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | | | | | | | | | | | | | | | |
| NO EGA
SIDELINE 2400. FT.
(731.52 M) | 50 | 66.9 | 52.0 | 56.1 | 55.1 | 56.9 | 57.6 | 58.9 | 59.6 | 62.6 | 65.6 | 67.2 | 67.9 | 65.2 | |
| | 63 | 48.1 | 52.5 | 55.3 | 55.6 | 57.4 | 58.1 | 59.6 | 60.1 | 64.1 | 67.8 | 70.9 | 69.8 | 66.6 | |
| | 80 | 49.4 | 53.5 | 55.6 | 56.1 | 58.1 | 58.9 | 60.6 | 61.4 | 64.1 | 68.6 | 70.9 | 70.6 | 67.5 | |
| | 100 | 50.6 | 54.5 | 56.9 | 57.2 | 58.9 | 59.9 | 61.4 | 61.7 | 65.4 | 68.6 | 70.4 | 69.8 | 66.2 | |
| | 125 | 50.8 | 55.4 | 57.3 | 58.1 | 59.1 | 60.9 | 62.9 | 62.8 | 66.2 | 69.2 | 69.6 | 67.0 | 63.7 | |
| | 160 | 52.2 | 56.1 | 59.5 | 59.1 | 60.1 | 61.6 | 63.1 | 63.8 | 67.3 | 68.9 | 67.7 | 65.0 | 60.0 | |
| | 200 | 52.0 | 57.5 | 60.2 | 60.3 | 61.3 | 62.3 | 63.5 | 63.8 | 67.9 | 68.9 | 67.1 | 63.8 | 58.2 | |
| | 250 | 53.1 | 58.4 | 61.1 | 61.3 | 62.7 | 63.7 | 64.7 | 65.2 | 68.4 | 69.0 | 66.2 | 62.3 | 57.0 | |
| | 315 | 53.1 | 59.7 | 60.9 | 61.3 | 63.1 | 64.1 | 65.1 | 65.3 | 67.4 | 68.8 | 66.4 | 62.7 | 56.7 | |
| | 400 | 58.3 | 64.5 | 64.3 | 64.4 | 64.9 | 66.2 | 65.9 | 66.1 | 69.0 | 68.3 | 67.6 | 64.0 | 59.5 | |
| AIRFLOW MATIO
WF/WM 6.81 | 500 | 57.8 | 65.8 | 64.2 | 64.3 | 66.1 | 66.6 | 66.9 | 67.0 | 68.7 | 68.2 | 65.4 | 62.6 | 57.2 | |
| | 630 | 58.2 | 65.6 | 63.3 | 62.4 | 66.3 | 67.3 | 67.3 | 66.2 | 67.5 | 67.0 | 64.1 | 60.8 | 56.8 | |
| | 800 | 56.2 | 62.8 | 61.3 | 63.0 | 66.1 | 66.9 | 66.9 | 66.8 | 68.5 | 65.7 | 63.9 | 60.8 | 55.2 | |
| | 1000 | 51.3 | 57.6 | 60.5 | 62.0 | 63.7 | 64.5 | 64.9 | 65.8 | 67.0 | 64.0 | 63.0 | 59.9 | 53.6 | |
| | 1250 | 50.5 | 55.8 | 58.1 | 59.4 | 62.1 | 63.2 | 64.1 | 63.9 | 65.3 | 63.0 | 60.5 | 56.7 | 50.6 | |
| | 1600 | 47.1 | 52.9 | 55.2 | 57.4 | 60.9 | 61.7 | 62.2 | 62.7 | 62.7 | 60.5 | 57.4 | 53.0 | 45.9 | |
| | 2000 | 42.9 | 49.1 | 51.9 | 55.0 | 58.3 | 59.1 | 60.2 | 60.0 | 60.2 | 56.0 | 53.0 | 47.6 | 38.5 | |
| | 2500 | 39.2 | 46.2 | 48.5 | 51.2 | 55.6 | 57.2 | 57.1 | 57.4 | 57.5 | 53.1 | 49.2 | 41.2 | 30.8 | |
| | 3150 | 31.5 | 38.8 | 42.6 | 45.3 | 50.8 | 51.0 | 52.4 | 52.3 | 51.8 | 46.7 | 41.9 | 32.7 | 17.9 | |
| | 4000 | 22.2 | 31.5 | 35.5 | 37.8 | 42.5 | 43.4 | 44.5 | 45.3 | 44.2 | 37.5 | 34.2 | 20.2 | 0.8 | |
| FAV TIP SPEED
FT/SEC | 5000 | 16.8 | 27.1 | 33.1 | 35.1 | 40.0 | 40.1 | 41.7 | 43.1 | 40.3 | 33.6 | 28.0 | 14.3 | | |
| | 6300 | 2.0 | 15.4 | 23.0 | 25.9 | 29.0 | 31.4 | 30.8 | 35.5 | 29.3 | 22.0 | 15.1 | | | |
| | 8000 | | | 7.5 | 10.9 | 13.7 | 15.1 | 15.5 | 23.4 | 11.8 | 3.1 | | | | |
| | 10000 | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | |
| | OVERALL CALCULATED | 65.9 | 72.3 | 72.4 | 72.8 | 75.0 | 75.9 | 76.5 | 76.7 | 79.0 | 79.6 | 79.4 | 77.8 | 74.0 | |
| | PNDB | 70.8 | 77.8 | 78.2 | 78.9 | 81.6 | 82.5 | 83.2 | 83.5 | 84.8 | 83.8 | 82.4 | 78.8 | 73.4 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION | TEST POINT 154 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513m²) SIZE

6.2 Acoustic Data

- Coannular Configuration 2



$$A^o = 11.057 \text{ in.}^2$$

$$A_T = A^o + A^i = 22.407 \text{ in.}^2$$

| FREQ. | | 40. | | 50. | | 60. | | 70. | | 80. | | 90. | | 100. | | 110. | | 120. | | 130. | | 140. | | 150. | | 160. | | 170. | | 180. | | 190. | | 200. | | 210. | | 220. | | 230. | | 240. | | 250. | | 260. | | 270. | | 280. | | 290. | | 300. | | 310. | | 320. | | 330. | | 340. | | 350. | | 360. | | 370. | | 380. | | 390. | | 400. | | 410. | | 420. | | 430. | | 440. | | 450. | | 460. | | 470. | | 480. | | 490. | | 500. | | 510. | | 520. | | 530. | | 540. | | 550. | | 560. | | 570. | | 580. | | 590. | | 600. | | 610. | | 620. | | 630. | | 640. | | 650. | | 660. | | 670. | | 680. | | 690. | | 700. | | 710. | | 720. | | 730. | | 740. | | 750. | | 760. | | 770. | | 780. | | 790. | | 800. | | 810. | | 820. | | 830. | | 840. | | 850. | | 860. | | 870. | | 880. | | 890. | | 900. | | 910. | | 920. | | 930. | | 940. | | 950. | | 960. | | 970. | | 980. | | 990. | | 1000. | | 1010. | | 1020. | | 1030. | | 1040. | | 1050. | | 1060. | | 1070. | | 1080. | | 1090. | | 1100. | | 1110. | | 1120. | | 1130. | | 1140. | | 1150. | | 1160. | | 1170. | | 1180. | | 1190. | | 1200. | | 1210. | | 1220. | | 1230. | | 1240. | | 1250. | | 1260. | | 1270. | | 1280. | | 1290. | | 1300. | | 1310. | | 1320. | | 1330. | | 1340. | | 1350. | | 1360. | | 1370. | | 1380. | | 1390. | | 1400. | | 1410. | | 1420. | | 1430. | | 1440. | | 1450. | | 1460. | | 1470. | | 1480. | | 1490. | | 1500. | | 1510. | | 1520. | | 1530. | | 1540. | | 1550. | | 1560. | | 1570. | | 1580. | | 1590. | | 1600. | | 1610. | | 1620. | | 1630. | | 1640. | | 1650. | | 1660. | | 1670. | | 1680. | | 1690. | | 1700. | | 1710. | | 1720. | | 1730. | | 1740. | | 1750. | | 1760. | | 1770. | | 1780. | | 1790. | | 1800. | | 1810. | | 1820. | | 1830. | | 1840. | | 1850. | | 1860. | | 1870. | | 1880. | | 1890. | | 1900. | | 1910. | | 1920. | | 1930. | | 1940. | | 1950. | | 1960. | | 1970. | | 1980. | | 1990. | | 2000. | | 2010. | | 2020. | | 2030. | | 2040. | | 2050. | | 2060. | | 2070. | | 2080. | | 2090. | | 2100. | | 2110. | | 2120. | | 2130. | | 2140. | | 2150. | | 2160. | | 2170. | | 2180. | | 2190. | | 2200. | | 2210. | | 2220. | | 2230. | | 2240. | | 2250. | | 2260. | | 2270. | | 2280. | | 2290. | | 2300. | | 2310. | | 2320. | | 2330. | | 2340. | | 2350. | | 2360. | | 2370. | | 2380. | | 2390. | | 2400. | | 2410. | | 2420. | | 2430. | | 2440. | | 2450. | | 2460. | | 2470. | | 2480. | | 2490. | | 2500. | | 2510. | | 2520. | | 2530. | | 2540. | | 2550. | | 2560. | | 2570. | | 2580. | | 2590. | | 2600. | | 2610. | | 2620. | | 2630. | | 2640. | | 2650. | | 2660. | | 2670. | | 2680. | | 2690. | | 2700. | | 2710. | | 2720. | | 2730. | | 2740. | | 2750. | | 2760. | | 2770. | | 2780. | | 2790. | | 2800. | | 2810. | | 2820. | | 2830. | | 2840. | | 2850. | | 2860. | | 2870. | | 2880. | | 2890. | | 2900. | | 2910. | | 2920. | | 2930. | | 2940. | | 2950. | | 2960. | | 2970. | | 2980. | | 2990. | | 3000. | | 3010. | | 3020. | | 3030. | | 3040. | | 3050. | | 3060. | | 3070. | | 3080. | | 3090. | | 3100. | | 3110. | | 3120. | | 3130. | | 3140. | | 3150. | | 3160. | | 3170. | | 3180. | | 3190. | | 3200. | | 3210. | | 3220. | | 3230. | | 3240. | | 3250. | | 3260. | | 3270. | | 3280. | | 3290. | | 3300. | | 3310. | | 3320. | | 3330. | | 3340. | | 3350. | | 3360. | | 3370. | | 3380. | | 3390. | | 3400. | | 3410. | | 3420. | | 3430. | | 3440. | | 3450. | | 3460. | | 3470. | | 3480. | | 3490. | | 3500. | | 3510. | | 3520. | | 3530. | | 3540. | | 3550. | | 3560. | | 3570. | | 3580. | | 3590. | | 3600. | | 3610. | | 3620. | | 3630. | | 3640. | | 3650. | | 3660. | | 3670. | | 3680. | | 3690. | | 3700. | | 3710. | | 3720. | | 3730. | | 3740. | | 3750. | | 3760. | | 3770. | | 3780. | | 3790. | | 3800. | | 3810. | | 3820. | | 3830. | | 3840. | | 3850. | | 3860. | | 3870. | | 3880. | | 3890. | | 3900. | | 3910. | | 3920. | | 3930. | | 3940. | | 3950. | | 3960. | | 3970. | | 3980. | | 3990. | | 4000. | | 4010. | | 4020. | | 4030. | | 4040. | | 4050. | | 4060. | | 4070. | | 4080. | | 4090. | | 4100. | | 4110. | | 4120. | | 4130. | | 4140. | | 4150. | | 4160. | | 4170. | | 4180. | | 4190. | | 4200. | | 4210. | | 4220. | | 4230. | | 4240. | | 4250. | | 4260. | | 4270. | | 4280. | | 4290. | | 4300. | | 4310. | | 4320. | | 4330. | | 4340. | | 4350. | | 4360. | | 4370. | | 4380. | | 4390. | | 4400. | | 4410. | | 4420. | | 4430. | | 4440. | | 4450. | | 4460. | | 4470. | | 4480. | | 4490. | | 4500. | | 4510. | | 4520. | | 4530. | | 4540. | | 4550. | | 4560. | | 4570. | | 4580. | | 4590. | | 4600. | | 4610. | | 4620. | | 4630. | | 4640. | | 4650. | | 4660. | | 4670. | | 4680. | | 4690. | | 4700. | | 4710. | | 4720. | | 4730. | | 4740. | | 4750. | | 4760. | | 4770. | | 4780. | | 4790. | | 4800. | | 4810. | | 4820. | | 4830. | | 4840. | | 4850. | | 4860. | | 4870. | | 4880. | | 4890. | | 4900. | | 4910. | | 4920. | | 4930. | | 4940. | | 4950. | | 4960. | | 4970. | | 4980. | | 4990. | | 5000. | | 5010. | | 5020. | | 5030. | | 5040. | | 5050. | | 5060. | | 5070. | | 5080. | | 5090. | | 5100. | | 5110. | | 5120. | | 5130. | | 5140. | | 5150. | | 5160. | | 5170. | | 5180. | | 5190. | | 5200. | | 5210. | | 5220. | | 5230. | | 5240. | | 5250. | | 5260. | | 5270. | | 5280. | | 5290. | | 5300. | | 5310. | | 5320. | | 5330. | | 5340. | | 5350. | | 5360. | | 5370. | | 5380. | | 5390. | | 5400. | | 5410. | | 5420. | | 5430. | | 5440. | | 5450. | | 5460. | | 5470. | | 5480. | | 5490. | | 5500. | | 5510. | | 5520. | | 5530. | | 5540. | | 5550. | | 5560. | | 5570. | | 5580. | | 5590. | | 5600. | | 5610. | | 5620. | | 5630. | | 5640. | | 5650. | | 5660. | | 5670. | | 5680. | | 5690. | | 5700. | | 5710. | | 5720. | | 5730. | | 5740. | | 5750. | | 5760. | | 5770. | | 5780. | | 5790. | | 5800. | | 5810. | | 5820. | | 5830. | | 5840. | | 5850. | | 5860. | | 5870. | | 5880. | | 5890. | | 5900. | | 5910. | | 5920. | | 5930. | | 5940. | | 5950. | | 5960. | | 5970. | | 5980. | | 5990. | | 6000. | | 6010. | | 6020. | | 6030. | | 6040. | | 6050. | | 6060. | | 6070. | | 6080. | | 6090. | | 6100. | | 6110. | | 6120. | | 6130. | | 6140. | | 6150. | | 6160. | | 6170. | | 6180. | | 6190. | | 6200. | | 6210. | | 6220. | | 6230. | | 6240. | | 6250. | | 6260. | | 6270. | | 6280. | | 6290. | | 6300. | | 6310. | | 6320. | | 6330. | | 6340. | | 6350. | | 6360. | | 6370. | | 6380. | | 6390. | | 6400. | | 6410. | | 6420. | | 6430. | | 6440. | | 6450. | | 6460. | | 6470. | | 6480. | | 6490. | | 6500. | | 6510. | | 6520. | | 6530. | | 6540. | | 6550. | | 6560. | | 6570. | | 6580. | | 6590. | | 6600. | | 6610. | | 6620. | | 6630. | | 6640. | | 6650. | | 6660. | | 6670. | | 6680. | | 6690. | | 6700. | | 6710. | | 6720. | | 6730. | | 6740. | | 6750. | | 6760. | | 6770. | | 6780. | | 6790. | | 6800. | | 6810. | | 6820. | | 6830. | | 6840. | | 6850. | | 6860. | | 6870. | | 6880. | | 6890. | | 6900. | | 6910. | | 6920. | | 6930. | | 6940. | | 6950. | | 6960. | | 6970. | | 6980. | | 6990. | | 7000. | | 7010. | | 7020. | | 7030. | | 7040. | | 7050. | | 7060. | | 7070. | | 7080. | | 7090. | | 7100. | | 7110. | | 7120. | | 7130. | | 7140. | | 7150. | | 7160. | | 7170. | | 7180. | | 7190. | | 7200. | | 7210. | | 7220. | | 7230. | | 7240. | | 7250. | | 7260. | | 7270. | | 7280. | | 7290. | | 7300. | | 7310. | | 7320. | | 7330. | | 7340. | | 7350. | | 7360. | | 7370. | | 7380. | | 7390. | | 7400. | | 7410. | | 7420. | | 7430. | | 7440. | | 7450. | | 7460. | | 7470. | | 7480. | | 7490. | | 7500. | | 7510. | | 7520. | | 7530. | | 7540. | | 7550. | | 7560. | | 7570. | | 7580. | | 7590. | | 7600. | | 7610. | | 7620. | | 7630. | | 7640. | | 7650. | | 7660. | | 7670. | | 7680. | | 7690. | | 7700. | | 7710. | | 7720. | | 7730. | | 7740. | | 7750. | | 7760. | | 7770. | | 7780. | | 7790. | | 7800. | | 7810. | | 7820. | | 7830. | | 7840. | | 7850. | | 7860. | | 7870. | | 7880. | | 7890. | | 7900. | | 7910. | | 7920. | | 7930. | | 7940. | | 7950. | | 7960. | | 7970. | | 7980. | | 7990. | | 8000. | | 8010. | | 8020. | | 8030. | | 8040. | | 8050. | | 8060. | | 8070. | | 8080. | | 8090. | | 8100. | | 8110. | | 8120. | | 8130. | | 8140. | | 8150. | | 8160. | | 8170. | | 8180. | | 8190. | | 8200. | | 8210. | | 8220. | | 8230. | | 8240. | | 8250. | | 8260. | | 8270. | | 8280. | | 8290. | | 8300. | | 8310. | | 8320. | | 8330. | | 8340. | | 8350. | | 8360. | | 8370. | | 8380. | | 8390. | | 8400. | | 8410. | | 8420. | | 8430. | | 8440. | | 8450. | | 8460. | | 8470. | | 8480. | | 8490. | | 8500. | | 8510. | | 8520. | | 8530. | | 8540. | | 8550. | | 8560. | | 8570. | | 8580. | | 8590. | | 8600. | | 8610. | | 8620. | | 8630. | | 8640. | | 8650. | | 8660. | | 8670. | | 8680. | | 8690. | | 8700. | | 8710. | | 8720. | | 8730. | | 8740. | | 8750. | | 8760. | | 8770. | | 8780. | | 8790. | | 8800. | | 8810. | | 8820. | | 8830. | | 8840. | | 8850. | | 8860. | | 8870. | | 8880. | | 8890. | | 8900. | | 8910. | | 8920. | | 8930. | | 8940. | | 8950. | | 8960. | | 8970. | | 8980. | | 8990. | | 9000. | | 9010. | | 9020. | | 9030. | | 9040. | | 9050. | | 9060. | | 9070. | | 9080. | | 9090. | | 9100. | | 9110. | | 9120. | | 9130. | | 9140. | | 9150. | | 9160. | | 9170. | | 9180. | | 9190. | | 9200. | | 9210. | | 9220. | | 9230. | | 9240. | | 9250. | | 9260. | | 9270. | | 9280. | | 9290. | | 9300. | | 9310. | | 9320. | | 9330. | | 9340. | | 9350. | | 9360. | | 9370. | | 9380. | | 9390. | | 9400. | | 9410. | | 9420. | | 9430. | | 9440. | | 9450. | | 9460. | | 9470. | | 9480. | | 9490. | | 9500. | | 9510. | | 9520. | | 9530. | | 9540. | | 9550. | | 9560. | | 9570. | | 9580. | | 9590. | | 9600. | | 9610. | | 9620. | | 9630. | | 9640. | | 9650. | | 9660. | | 9670. | | 9680. | | 9690. | | 9700. | | 9710. | | 9720. | | 9730. | | 9740. | | 9750. | | 9760. | | 9770. | | 9780. | | 9790. | | 9800. | | 9810. | | 9820. | | 9830. | | 9840. | | 9850. | | 9860. | | 9870. | | 9880. | | 9890. | | 9900. | | 9910. | | 9920. | | 9930. | | 9940. | | 9950. | | 9960. | | 9970. | | 9980. | | 9990. | | 10000. | | 10010. | | 10020. | | 10030. | | 10040. | | 10050. | | 10060. | | 10070. | | 10080. | | 10090. | | 10100. | | 10110. | | 10120. | | 10130. | | 10140. | | 10150. | | 10160. | | 10170. | | 10180. | | 10190. | | 10200. | | 10210. | | 10220. | | 10230. | | 10240. | | 10250. | | 10260. | | 10270. | | 10280. | | 10290. | | 10300. | | 10310. | | 10320. | | 10330. | | 10340. | | 10350. | | 10360. | | 10370. | | 10380. | | 10390. | |
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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 2 | 240 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

162 **INTENTIONALLY BLANK**

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2
 TEST POINT 240
 ACOUSTIC RANGE 45.7m(150ft.) ARC
 SIZE FULL-33m²(513in²)

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 30 HR. 15.3

| FREQ. | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | | | | | | | INLET IN DEGREES (AND RADIAN) | | 59. DEG. F. 70 PERCENT REL. HUM. DAY | |
|----------------------|--|------|------|------|------|------|------|------|------|------|-------------------------------|------|--------------------------------------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. |
| NO EGA | 50 | 49.7 | 55.1 | 57.4 | 58.2 | 60.2 | 61.2 | 61.7 | 64.7 | 65.9 | 69.2 | 73.0 | 73.5 | 71.0 |
| SIDELINE 2400. FT. | 63 | 51.5 | 57.1 | 56.7 | 60.5 | 63.5 | 63.8 | 64.5 | 66.5 | 68.2 | 70.9 | 74.8 | 76.5 | 73.5 |
| (731.52 ft.) | 90 | 53.0 | 57.1 | 60.2 | 60.7 | 63.0 | 64.0 | 64.7 | 67.7 | 69.4 | 73.2 | 77.3 | 77.6 | 74.1 |
| VFA (1. RPM) | 125 | 54.2 | 58.1 | 59.2 | 62.7 | 64.5 | 65.5 | 67.7 | 70.2 | 74.4 | 78.0 | 78.6 | 74.5 | 74.9 |
| (0. RAD/SEC) | 160 | 56.0 | 58.9 | 61.3 | 63.4 | 65.2 | 66.7 | 67.7 | 69.9 | 72.3 | 75.8 | 77.8 | 77.6 | 73.5 |
| VFK (1. RPM) | 200 | 57.6 | 60.8 | 63.3 | 64.6 | 65.9 | 67.4 | 68.4 | 71.1 | 72.3 | 75.7 | 76.2 | 74.6 | 71.7 |
| (0. RAD/SEC) | 250 | 58.7 | 60.2 | 63.4 | 64.3 | 65.8 | 67.6 | 69.0 | 71.0 | 72.9 | 75.1 | 74.8 | 72.9 | 69.1 |
| NFD (7500. RPM) | 315 | 57.2 | 61.1 | 62.5 | 65.1 | 66.7 | 68.7 | 69.2 | 70.4 | 73.3 | 74.6 | 73.3 | 70.3 | 65.8 |
| (785. RAD/SEC) | 400 | 56.6 | 59.5 | 62.8 | 64.4 | 66.0 | 67.2 | 69.2 | 70.6 | 72.8 | 73.8 | 71.7 | 67.3 | 52.0 |
| AIRFLOW RATIO | 500 | 56.4 | 59.7 | 62.5 | 63.9 | 65.7 | 67.0 | 68.5 | 70.7 | 72.5 | 71.5 | 69.3 | 64.7 | 58.4 |
| WF/WM 6.78 | 630 | 56.5 | 59.9 | 62.5 | 64.2 | 66.3 | 67.1 | 68.3 | 70.2 | 72.3 | 71.5 | 67.6 | 62.1 | 55.8 |
| VEHICLE | 800 | 54.6 | 57.9 | 60.9 | 62.4 | 64.8 | 66.6 | 67.6 | 69.4 | 70.2 | 69.5 | 65.3 | 59.7 | 52.4 |
| CONFIG | 1000 | 52.7 | 56.7 | 59.5 | 62.1 | 63.5 | 65.6 | 66.3 | 68.3 | 69.5 | 67.3 | 63.8 | 57.2 | 49.5 |
| LOC C41 ANECH CH | 1250 | 50.3 | 55.0 | 58.0 | 60.6 | 63.1 | 64.6 | 66.3 | 67.4 | 68.2 | 65.1 | 61.7 | 55.2 | 48.5 |
| DATE 06-16-76 | 1600 | 48.3 | 53.3 | 55.0 | 59.0 | 61.5 | 63.1 | 64.8 | 65.8 | 66.0 | 63.7 | 59.2 | 53.4 | 46.0 |
| RUN CONF2HIGHFLW | 2000 | 43.8 | 51.3 | 53.5 | 56.9 | 60.2 | 60.3 | 62.2 | 63.7 | 64.0 | 60.0 | 55.6 | 51.0 | 42.3 |
| TAPE | 2500 | 38.7 | 46.4 | 49.5 | 53.5 | 56.5 | 57.1 | 59.7 | 59.7 | 60.0 | 55.9 | 51.9 | 45.8 | 35.4 |
| FAN TIP SPEED | 3150 | 31.5 | 40.8 | 44.3 | 49.1 | 52.2 | 52.9 | 55.4 | 54.4 | 55.8 | 50.7 | 45.5 | 38.5 | 24.3 |
| FT/SEC | 4000 | 21.0 | 32.0 | 36.3 | 41.0 | 46.1 | 45.9 | 48.6 | 46.6 | 47.0 | 40.9 | 34.1 | 24.9 | 7.4 |
| OVERALL - CALCULATED | 5000 | 14.5 | 27.5 | 30.9 | 36.2 | 40.4 | 40.8 | 42.1 | 41.3 | 42.2 | 34.5 | 28.6 | 15.9 | |
| PROB | 6300 | 0.9 | 15.2 | 21.9 | 27.6 | 32.0 | 31.5 | 33.6 | 31.1 | 30.4 | 20.7 | 12.2 | | |
| | 8000 | | 7.4 | 13.7 | 17.1 | 18.2 | 20.3 | 16.1 | 12.1 | 1.7 | | | | |
| | 10000 | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | |

OVERALL - CALCULATED 67.0 70.6 73.1 74.9 76.8 78.2 79.5 81.3 83.2 84.9 86.2 86.0 82.4
PROB 70.9 75.3 78.2 80.6 83.3 84.4 86.0 87.3 88.7 88.9 88.0 86.0 81.0

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT

2 2 1/2

ACOUSTIC RANGE

731.5m(2400ft.) SIDELINE

SIZE

FULL - 33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 30 HR. 15-3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | 120. | 130. | 140. | 150. | 160. | O. | O. | O. | PWL |
|--------------------|-------|-------|-------|-------|-------|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|-------|
| | | | | | | (1.57) | (1.75) | (1.92) | | | | | | | | | |
| 50 | 80.9 | 84.9 | 86.4 | 86.0 | 87.6 | 88.7 | 89.6 | 90.3 | 91.6 | 93.5 | 94.7 | 99.3 | 106.0 | 108.7 | 109.9 | | 154.0 |
| 63 | 82.3 | 87.8 | 85.5 | 88.3 | 90.9 | 91.5 | 91.9 | 94.3 | 97.0 | 101.4 | 107.6 | 111.8 | 112.5 | | | | 156.5 |
| 80 | 84.5 | 85.8 | 88.8 | 88.6 | 90.0 | 91.3 | 92.2 | 95.6 | 98.3 | 103.9 | 110.1 | 113.5 | 113.6 | | | | 158.2 |
| 100 | 85.4 | 86.2 | 87.7 | 88.9 | 90.5 | 92.4 | 93.3 | 95.7 | 98.7 | 106.0 | 111.9 | 114.6 | 113.4 | | | | 159.2 |
| 125 | 86.5 | 88.3 | 89.0 | 90.3 | 92.1 | 92.8 | 94.6 | 97.5 | 100.5 | 106.1 | 112.0 | 115.5 | 113.8 | | | | 159.7 |
| 160 | 89.0 | 89.5 | 90.3 | 92.1 | 93.2 | 94.3 | 95.4 | 98.6 | 102.3 | 106.8 | 113.6 | 116.5 | 115.0 | | | | 160.9 |
| 200 | 92.3 | 93.1 | 93.6 | 93.6 | 94.7 | 95.9 | 97.0 | 99.6 | 102.1 | 106.9 | 112.6 | 115.1 | 114.9 | | | | 160.2 |
| 250 | 90.7 | 92.4 | 93.7 | 93.7 | 95.3 | 96.7 | 98.1 | 100.7 | 102.7 | 107.0 | 110.7 | 115.4 | 114.4 | | | | 159.9 |
| 315 | 90.8 | 92.8 | 92.6 | 94.1 | 95.4 | 97.1 | 97.9 | 99.8 | 103.6 | 107.4 | 109.6 | 113.8 | 113.6 | | | | 159.0 |
| 400 | 94.1 | 93.9 | 94.9 | 94.4 | 95.5 | 96.1 | 98.2 | 100.9 | 103.4 | 106.7 | 107.9 | 111.8 | 111.1 | | | | 157.6 |
| 500 | 99.9 | 98.0 | 96.2 | 95.3 | 96.1 | 96.7 | 97.9 | 100.8 | 103.5 | 105.1 | 106.3 | 108.9 | 108.5 | | | | 156.1 |
| 630 | 101.4 | 101.0 | 100.8 | 99.8 | 98.4 | 97.0 | 98.1 | 101.5 | 104.3 | 105.6 | 105.3 | 107.7 | 106.5 | | | | 156.4 |
| 800 | 99.5 | 99.3 | 100.1 | 100.1 | 99.9 | 98.6 | 97.9 | 101.6 | 103.1 | 104.4 | 103.4 | 105.0 | 103.6 | | | | 155.3 |
| 1000 | 98.4 | 98.7 | 99.2 | 99.8 | 100.1 | 100.2 | 99.6 | 101.0 | 102.7 | 103.1 | 102.5 | 103.7 | 103.4 | | | | 154.9 |
| 1250 | 96.3 | 97.1 | 98.2 | 98.4 | 99.5 | 100.4 | 101.3 | 101.2 | 102.9 | 102.5 | 101.5 | 103.9 | 103.9 | | | | 154.7 |
| 1600 | 94.5 | 95.3 | 96.2 | 97.9 | 99.2 | 99.6 | 101.2 | 101.9 | 103.4 | 102.5 | 101.2 | 103.8 | 104.1 | | | | 154.7 |
| 2000 | 91.6 | 94.0 | 94.9 | 96.6 | 98.4 | 98.3 | 100.2 | 102.1 | 103.1 | 101.5 | 100.2 | 105.0 | 104.3 | | | | 154.3 |
| 2500 | 89.6 | 91.7 | 92.8 | 94.5 | 96.6 | 97.2 | 98.3 | 100.1 | 101.5 | 100.2 | 99.6 | 103.4 | 103.2 | | | | 153.0 |
| 3150 | 87.3 | 90.6 | 91.5 | 93.7 | 95.5 | 95.8 | 98.5 | 98.2 | 101.8 | 98.5 | 98.6 | 102.9 | 103.3 | | | | 152.5 |
| 4000 | 84.5 | 87.6 | 89.7 | 91.3 | 94.8 | 93.9 | 97.6 | 96.1 | 99.0 | 96.5 | 95.9 | 100.3 | 100.9 | | | | 150.7 |
| 5000 | 82.4 | 86.4 | 87.6 | 89.6 | 91.9 | 92.1 | 92.9 | 94.3 | 96.9 | 94.0 | 95.1 | 96.6 | 98.7 | | | | 148.4 |
| 6300 | 81.8 | 85.9 | 88.5 | 90.6 | 93.1 | 92.3 | 93.7 | 93.1 | 94.9 | 91.8 | 92.5 | 98.1 | 97.5 | | | | 148.3 |
| 8000 | 79.3 | 84.7 | 88.1 | 90.1 | 92.2 | 93.0 | 93.9 | 92.4 | 93.2 | 90.8 | 90.6 | 95.7 | 95.5 | | | | 148.4 |
| 10000 | 75.8 | 81.7 | 85.5 | 87.8 | 89.6 | 90.7 | 91.7 | 90.7 | 91.0 | 87.6 | 87.2 | 91.2 | 90.5 | | | | 146.8 |
| 12500 | 72.5 | 78.3 | 82.8 | 82.9 | 82.9 | 83.1 | 84.9 | 86.9 | 88.0 | 85.2 | 84.5 | 87.4 | 86.8 | | | | 146.3 |
| 16000 | 73.2 | 78.6 | 84.3 | 82.4 | 81.8 | 83.2 | 84.1 | 83.3 | 85.6 | 83.7 | 83.4 | 86.7 | 88.2 | | | | 146.1 |
| OVERALL CALCULATED | 107.7 | 107.9 | 108.4 | 108.8 | 109.7 | 110.0 | 111.2 | 112.9 | 115.2 | 117.6 | 121.4 | 124.7 | 124.0 | | | | 170.4 |
| PWDB | 116.3 | 117.5 | 118.4 | 119.7 | 121.2 | 121.6 | 123.4 | 124.4 | 126.7 | 126.4 | 127.5 | 131.0 | 130.9 | | | | |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 24 ACoustic RANGE 45.7m(150ft.) ARC FULL-33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 30 HR. 15.3

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | 50 | 52.7 | 58.3 | 53.9 | 51.2 | 53.2 | 64.5 | 67.2 | 68.7 | 69.2 | 72.7 | 77.8 | 78.2 |
| SIDELINE 2400. FT. | 63 | 54.0 | 61.1 | 50.0 | 63.5 | 66.5 | 67.3 | 67.5 | 69.5 | 71.5 | 74.7 | 79.3 | 81.2 |
| (731.52 ft.) | 100 | 56.2 | 60.1 | 63.2 | 63.7 | 65.5 | 67.0 | 67.7 | 70.7 | 72.7 | 77.2 | 81.8 | 82.9 |
| NFA | 125 | 56.9 | 59.3 | 61.9 | 64.0 | 66.0 | 68.0 | 68.7 | 70.7 | 72.9 | 79.2 | 83.5 | 83.8 |
| (C. RAD/SEC) | 150 | 57.9 | 61.3 | 63.2 | 65.2 | 67.5 | 68.3 | 70.0 | 72.5 | 74.7 | 79.1 | 83.5 | 84.5 |
| VFK | 200 | 60.3 | 62.4 | 64.3 | 66.9 | 68.4 | 69.7 | 70.7 | 73.4 | 76.3 | 79.8 | 84.8 | 85.3 |
| (C. RAD/SEC) | 250 | 63.4 | 65.8 | 67.5 | 69.9 | 71.1 | 72.1 | 74.3 | 76.0 | 79.7 | 83.7 | 83.6 | 79.5 |
| NFD | 315 | 61.5 | 65.0 | 67.4 | 68.2 | 70.3 | 71.8 | 73.0 | 75.2 | 76.4 | 79.6 | 81.5 | 83.6 |
| (7500. RPM) | 400 | 61.2 | 65.1 | 66.0 | 68.4 | 70.2 | 72.0 | 72.7 | 74.1 | 77.0 | 79.6 | 80.0 | 78.6 |
| (785. RAD/SEC) | 500 | 64.1 | 65.7 | 68.0 | 68.4 | 70.0 | 70.7 | 72.7 | 74.9 | 76.5 | 78.6 | 77.9 | 73.7 |
| AIRFLOW RATIO | 650 | 69.4 | 69.4 | 69.0 | 68.9 | 70.2 | 71.0 | 72.0 | 74.4 | 76.5 | 75.8 | 75.5 | 70.1 |
| WF/W 4.78 | 800 | 70.2 | 71.8 | 73.0 | 73.0 | 72.1 | 70.8 | 71.8 | 74.7 | 76.5 | 76.5 | 74.1 | 73.3 |
| VEHICLE | 1000 | 67.4 | 69.4 | 71.7 | 72.7 | 73.1 | 71.8 | 71.1 | 74.2 | 76.7 | 74.5 | 71.3 | 69.5 |
| CELL 41 | 1250 | 65.2 | 67.9 | 70.0 | 71.6 | 72.5 | 72.8 | 72.0 | 72.8 | 73.5 | 72.3 | 69.3 | 66.7 |
| CONFIG | 1500 | 61.8 | 65.2 | 68.0 | 69.4 | 71.1 | 72.1 | 72.8 | 72.1 | 72.7 | 70.6 | 66.9 | 65.2 |
| LOC C41 ANECHOIC | 1600 | 58.0 | 61.8 | 64.6 | 67.5 | 69.5 | 70.1 | 71.5 | 71.5 | 71.5 | 69.0 | 64.7 | 62.6 |
| DATE 06-16-76 | 2000 | 52.8 | 58.6 | 61.6 | 64.7 | 67.3 | 67.4 | 69.0 | 70.2 | 69.8 | 66.1 | 61.4 | 60.8 |
| RUN CONF2HIGHFLW | 2500 | 47.5 | 53.4 | 57.0 | 60.3 | 63.3 | 64.1 | 66.0 | 66.0 | 65.8 | 62.0 | 57.5 | 54.9 |
| TAPE | 3150 | 39.8 | 47.8 | 51.8 | 55.9 | 58.7 | 59.4 | 61.7 | 60.5 | 62.1 | 55.8 | 51.1 | 47.3 |
| X02410 | 4000 | 28.9 | 38.1 | 44.1 | 48.1 | 52.9 | 52.4 | 55.7 | 52.9 | 53.4 | 47.1 | 40.3 | 34.3 |
| FAN TIP SPEED | 5000 | 22.1 | 33.1 | 38.3 | 43.3 | 47.0 | 47.7 | 48.0 | 47.9 | 47.9 | 40.7 | 34.8 | 24.5 |
| FT/SEC | 6000 | 7.7 | 21.1 | 29.6 | 35.0 | 39.4 | 39.2 | 40.1 | 37.5 | 35.8 | 27.0 | 18.4 | 8.1 |
| | 8000 | | 2.4 | 13.6 | 20.4 | 25.1 | 26.7 | 26.8 | 22.6 | 18.6 | | | |
| | 10000 | | | | | 2.7 | 5.9 | 5.8 | | | | | |
| | 12500 | | | | | | | | | | | | |
| OVERALL CALCULATED | | 76.1 | 78.2 | 79.8 | 80.9 | 82.1 | 82.7 | 83.6 | 85.4 | 87.0 | 89.4 | 92.2 | 93.1 |
| PMS | | 81.7 | 84.4 | 85.4 | 87.8 | 89.7 | 90.3 | 91.5 | 92.6 | 93.3 | 93.8 | 94.6 | 89.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT

24/

ACOUSTIC RANGE

731.5m(2400ft.) SIDELINE

SIZE

FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 30 HR. 15.1
F, 70 PERCENT REL. HUM. DAY - JENOTS)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 2 | 242 | 12.2m(40ft.) ARC |

SIZE

MODEL-145cm²(22.4in²)

MODEL DATA (59- DEG. F, 70 PERCENT REL. HUM. DAY)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. ANGLES FROM INLET IN DEGREES (AND RADIANS))

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | G. | 0. | 0. |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| 1883. | (0.79) | (0.37) | (1.05) | (1.22) | (1.46) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |

SIDELINE 2637. FT.

(731.52 4)

WFA 1, 2 PM

(0. RAD/SEC)

MSK 1. R/24

U. MAD/SEC)

130V, RPM
(785 340/550)

REFLOW RATIO

87-3 44-388

1973J 370143A

NO 11 1963

DATE 06-16-76

CONFIDENTIAL

TAPE K02620

FAN TIP SPEED

335/11

OVERALL CALCULATIONS

| Number of items | Percentage of correct responses |
|-----------------|---------------------------------|
| 10 | 10 |
| 20 | 45 |
| 30 | 55 |
| 40 | 60 |
| 50 | 65 |
| 60 | 70 |
| 70 | 75 |
| 80 | 78 |
| 90 | 80 |
| 100 | 85 |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|-------------------|
| 2. | 242 | 731.5m(2400ft.) | 731.5m(2400ft.) |
| | | SIDELINE | FULL - 33m(108in) |

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 30 HR. 15.1
F. 70 PERCENT REL. HUM. DAY - JENOTS)

| | 40. | 50. | 60. | 70. | 80. | 90. | ANGLES FROM INLET IN DEGREES (AND RADIANS) |
|------------|--------|--------|--------|--------|--------|--------|--|
| FREQ., MC. | (0.73) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | |
| PUL | 0. | 0. | 0. | 0. | 0. | 0. | |
| | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| | 160. | 150. | 140. | 130. | 120. | 110. | |
| | (2.79) | (2.62) | (2.44) | (2.27) | (2.09) | (1.92) | |

| NO | EGA | 53 |
|--------------------|----------------|-------|
| RDG. NO. | 0. | 100 |
| RADIAL | 40. FT. | 125 |
| VEHICLE | (12. M) | 160 |
| CONFIG | CELL41 | 200 |
| LOC | C41 ANECH CH | 250 |
| DATE | 06-16-76 | 315 |
| RUN | CONF2HGHFLW | 400 |
| TAPE | X0243C | 500 |
| GAR | 29.5 HG | 630 |
| | (99482. N/M2) | 800 |
| TANB | 65. DEG F | 1000 |
| | (291. DEG K) | 1250 |
| TWET | 60. DEG F | 1600 |
| | (289. DEG K) | 2000 |
| HA | 11.93 GM/M3 | 2500 |
| | (.01193 KG/M3) | 3150 |
| FREQ. | SHIFT | 4000 |
| JET | 0 | 5000 |
| DIA | METER | 6300 |
| OF/DM | 1 | 8000 |
| | | 10000 |
| | | 12500 |
| | | 16000 |
| | | 20000 |
| | | 25000 |
| | | 31500 |
| | | 40000 |
| | | 50000 |
| | | 63000 |
| | | 80000 |
| OVERALL MEASURED | | |
| OVERALL CALCULATED | | |
| PNDR | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 2 | 243 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FREQ. | (0.70)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | | | | | | | | | | | | | |
| NO E3A | 50 79.9 | 82.9 | 94.9 | 94.5 | 85.8 | 87.4 | 89.8 | 91.7 | 93.4 | 97.8 | 104.0 | 106.4 | 107.7 | 151.9 |
| NO E3A | 63 81.5 | 85.8 | 94.9 | 86.8 | 89.2 | 90.7 | 93.1 | 95.5 | 99.9 | 105.3 | 109.0 | 109.5 | | 153.9 |
| NO E3A | 83 83.3 | 85.1 | 97.3 | 87.4 | 89.0 | 90.3 | 91.2 | 94.1 | 97.3 | 102.1 | 107.9 | 110.5 | 110.3 | 155.5 |
| RADIAL 150. FT. | 100 83.9 | 85.2 | 87.2 | 87.7 | 89.3 | 91.2 | 92.7 | 94.7 | 97.9 | 103.5 | 109.2 | 111.4 | 110.2 | 156.3 |
| (45. 4) | 125 85.2 | 87.0 | 88.0 | 89.3 | 91.1 | 92.0 | 93.9 | 96.3 | 99.0 | 103.6 | 108.3 | 111.2 | 110.3 | 156.1 |
| VEHICLE CELL41 | 160 86.5 | 87.8 | 89.5 | 90.8 | 92.2 | 93.3 | 94.9 | 97.3 | 101.0 | 104.6 | 108.8 | 110.2 | 110.0 | 156.2 |
| CONFIG NC59 | 200 88.6 | 90.1 | 90.9 | 92.1 | 93.0 | 94.4 | 95.5 | 98.4 | 101.1 | 104.4 | 107.1 | 108.1 | 108.6 | 155.0 |
| LDC C41 ANECH CH | 250 88.2 | 89.4 | 92.2 | 92.6 | 93.1 | 94.4 | 96.1 | 99.0 | 101.7 | 104.5 | 105.7 | 107.4 | 106.9 | 154.5 |
| DATE 06-16-75 | 315 88.0 | 90.8 | 91.1 | 92.6 | 94.2 | 95.6 | 96.4 | 98.5 | 102.1 | 104.6 | 105.3 | 106.0 | 106.1 | 154.1 |
| RUN CONF2HIGHFLW | 400 88.6 | 90.1 | 91.9 | 92.1 | 93.7 | 95.4 | 97.2 | 99.9 | 102.1 | 104.2 | 104.4 | 104.6 | 103.9 | 153.5 |
| TAPE X02430 | 500 88.9 | 90.7 | 91.7 | 92.5 | 94.6 | 95.2 | 96.6 | 99.5 | 102.5 | 103.1 | 103.3 | 103.2 | 102.7 | 152.9 |
| SAR 29.5 4G | 630 89.2 | 90.7 | 92.5 | 93.5 | 94.9 | 95.5 | 97.4 | 100.3 | 102.5 | 103.3 | 102.8 | 102.7 | 102.2 | 153.0 |
| (90482. V/M2) | 800 88.0 | 90.1 | 91.3 | 92.4 | 94.4 | 95.6 | 96.9 | 100.4 | 101.8 | 102.7 | 101.6 | 101.5 | 100.6 | 152.3 |
| TAMB 65. DEG F | 1000 87.6 | 89.4 | 91.0 | 92.8 | 94.1 | 95.4 | 97.3 | 100.0 | 101.7 | 101.8 | 101.3 | 101.7 | 101.4 | 152.2 |
| (291. DEG K) | 1250 86.8 | 88.9 | 90.7 | 92.2 | 94.3 | 96.4 | 98.0 | 99.9 | 101.7 | 101.0 | 101.5 | 102.6 | 102.9 | 152.4 |
| TWET 60. DEG F | 1600 86.2 | 88.8 | 89.7 | 91.9 | 94.7 | 95.8 | 97.7 | 99.7 | 101.7 | 101.3 | 101.2 | 103.1 | 106.1 | 152.6 |
| (269. DEG K) | 2000 85.1 | 88.3 | 89.6 | 91.6 | 94.4 | 94.8 | 97.4 | 100.1 | 101.6 | 100.5 | 100.7 | 104.0 | 105.3 | 152.8 |
| 4ACT11.93 SH/M3 | 2500 82.6 | 86.4 | 88.0 | 90.5 | 92.8 | 93.7 | 96.8 | 97.9 | 100.0 | 98.7 | 99.4 | 103.4 | 103.9 | 151.6 |
| (.01193 KG/M3) | 3150 81.8 | 85.3 | 86.5 | 89.7 | 92.2 | 92.8 | 96.0 | 96.7 | 99.3 | 97.5 | 98.4 | 102.9 | 103.1 | 151.0 |
| FREQ. SHIFT | 4000 79.2 | 82.8 | 85.2 | 87.1 | 91.3 | 91.2 | 94.6 | 93.9 | 97.0 | 94.8 | 96.1 | 100.1 | 101.2 | 149.1 |
| JET 7 | 5000 76.9 | 82.0 | 83.1 | 85.4 | 88.4 | 88.9 | 90.4 | 91.8 | 95.9 | 92.3 | 95.6 | 96.2 | 99.0 | 147.0 |
| DIAMETER RATIO | 6300 73.1 | 81.9 | 83.9 | 86.3 | 88.6 | 88.3 | 91.0 | 90.6 | 93.7 | 90.3 | 92.7 | 97.9 | 97.6 | 146.7 |
| OF/20M 4.78 | 8000 73.4 | 79.5 | 82.7 | 85.2 | 86.5 | 87.2 | 89.2 | 88.4 | 90.9 | 89.1 | 92.1 | 94.5 | 95.8 | 145.6 |
| | 10000 69.3 | 76.5 | 79.6 | 82.3 | 83.4 | 85.5 | 86.2 | 86.0 | 87.1 | 85.2 | 87.5 | 89.9 | 90.8 | 143.1 |
| | 12500 66.1 | 72.6 | 77.1 | 79.7 | 79.7 | 81.4 | 81.7 | 83.7 | 84.6 | 82.3 | 85.8 | 86.9 | 87.1 | 141.9 |
| | 16000 64.7 | 71.6 | 77.4 | 80.5 | 80.1 | 80.5 | 81.2 | 80.1 | 83.4 | 82.2 | 83.8 | 85.6 | 88.5 | 144.1 |
| OVERALL CALCULATED | 99.4 | 101.6 | 103.0 | 104.3 | 106.2 | 107.3 | 109.1 | 111.4 | 113.8 | 115.5 | 118.0 | 120.0 | 119.9 | 146.0 |
| PND5 | 108.9 | 112.0 | 113.5 | 115.5 | 117.8 | 118.6 | 121.0 | 122.5 | 124.9 | 124.7 | 126.0 | 128.8 | 129.0 | 166.9 |

REPRODUCIBILITY
ORIGINAL PAGE IS

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 2 | 243 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

ACOUSTIC RANGE

731.5m(2400ft.) SIDELINE

SIZE
FULL-.33m²(513in²)

[illegible]

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 2 | 244 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--|--|------|------|------|------|------|------|------|------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | | FREQ. (0.70)(0.97)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.1) | 53 | 54.7 | 56.0 | 57.3 | 58.7 | 60.0 | 61.3 | 62.6 | 63.9 | 65.2 | 66.5 | 67.8 |
| NO EGA | | 53 | 54.7 | 56.0 | 57.3 | 58.7 | 60.0 | 61.3 | 62.6 | 63.9 | 65.2 | 66.5 | 67.8 | 69.1 |
| SIDELINE 2470. FT. | | 80 | 58.7 | 61.6 | 64.9 | 68.0 | 70.7 | 73.5 | 76.2 | 78.9 | 81.6 | 84.3 | 87.0 | 89.7 |
| (731.52 M) | | 100 | 58.9 | 61.3 | 63.9 | 66.2 | 68.5 | 70.7 | 72.9 | 75.1 | 77.3 | 79.5 | 81.7 | 83.9 |
| NFA | | 125 | 60.2 | 63.3 | 66.2 | 68.9 | 71.2 | 73.4 | 75.4 | 77.4 | 79.4 | 81.4 | 83.4 | 85.4 |
| (0. RAD/SEC) | | 150 | 62.3 | 64.4 | 66.8 | 68.9 | 71.2 | 72.4 | 73.4 | 74.5 | 75.4 | 76.8 | 77.8 | 78.8 |
| NFK | | 200 | 63.6 | 67.6 | 70.7 | 72.1 | 73.4 | 74.1 | 74.8 | 75.4 | 76.8 | 77.9 | 79.0 | 80.1 |
| (0. RAD/SEC) | | 250 | 63.5 | 66.5 | 69.7 | 72.5 | 74.1 | 74.8 | 75.4 | 76.8 | 77.9 | 79.0 | 80.1 | 81.2 |
| NFD | | 315 | 63.7 | 66.6 | 69.8 | 72.4 | 74.2 | 74.7 | 75.4 | 76.4 | 77.4 | 78.5 | 79.5 | 80.6 |
| (785. RAD/SEC) | | 400 | 64.5 | 67.5 | 69.3 | 70.9 | 72.7 | 74.0 | 74.7 | 75.4 | 76.4 | 77.4 | 78.5 | 79.5 |
| AIRFLOW RATIO | | 500 | 68.7 | 69.2 | 70.0 | 70.7 | 71.3 | 71.8 | 72.4 | 73.0 | 73.6 | 74.2 | 74.8 | 75.4 |
| W/FUM 4.78 | | 600 | 68.7 | 70.3 | 72.3 | 73.0 | 73.8 | 74.6 | 75.0 | 75.4 | 75.9 | 76.4 | 76.9 | 77.4 |
| | | 800 | 65.4 | 67.9 | 70.4 | 72.4 | 73.6 | 74.6 | 75.4 | 76.9 | 77.5 | 78.4 | 79.3 | 80.2 |
| VEHICLE CELL 41 | | 1000 | 62.5 | 65.7 | 68.3 | 70.8 | 72.5 | 74.1 | 74.0 | 74.3 | 74.7 | 75.1 | 75.5 | 75.9 |
| CONFIG NC59 | | 1250 | 59.3 | 63.2 | 66.5 | 68.6 | 71.3 | 72.9 | 74.3 | 75.6 | 76.5 | 77.3 | 78.1 | 78.9 |
| LOC C41 ANECH CH | | 1600 | 56.3 | 61.1 | 64.6 | 67.5 | 70.3 | 71.6 | 73.5 | 74.5 | 75.6 | 76.5 | 77.3 | 78.1 |
| DATE 06-16-76 | | 2000 | 51.8 | 58.8 | 62.3 | 65.7 | 68.8 | 71.3 | 73.2 | 73.1 | 73.5 | 73.9 | 74.3 | 74.7 |
| RUN CONF2HIGHFLW | | 2500 | 46.7 | 55.4 | 59.5 | 63.1 | 65.8 | 68.1 | 69.5 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| TAPE X02640 | | 3150 | 40.5 | 50.3 | 55.1 | 59.4 | 62.2 | 64.7 | 66.5 | 67.8 | 68.8 | 69.5 | 70.1 | 70.7 |
| FAN TIP SPEED | | 4000 | 29.9 | 40.6 | 47.6 | 52.4 | 57.2 | 58.4 | 59.9 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| FT/SEC | | 5000 | 23.6 | 35.3 | 41.8 | 46.8 | 51.5 | 51.4 | 51.5 | 51.2 | 51.4 | 51.4 | 51.5 | 51.5 |
| | | 6300 | 9.2 | 23.4 | 31.8 | 38.0 | 42.7 | 42.2 | 43.6 | 41.0 | 39.1 | 31.7 | 25.9 | 3.1 |
| | | 8000 | 3.1 | 15.4 | 22.2 | 26.6 | 27.4 | 28.3 | 25.4 | 21.9 | 13.0 | 3.4 | | |
| | | 10000 | | | | 4.0 | 5.4 | 5.1 | 2.0 | | | | | |
| | | 12500 | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 75.8 | 78.1 | 80.2 | 81.9 | 83.7 | 84.8 | 85.8 | 87.9 | 90.0 | 91.8 | 94.4 | 80.7 |
| PNDR | | | 81.0 | 84.2 | 86.8 | 88.9 | 91.5 | 92.3 | 93.8 | 95.4 | 96.4 | 96.6 | 97.6 | 81.7 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS
 CONFIGURATION 2 TEST POINT 244
 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE
 SIZE FULL-.33m(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 30 HR. 15.1
 MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| RDG. NO. | NO EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|---------|---------|---------|-------|
| RADIAL (12. M) | | 40. (0.70) | 50. (0.87) | 60. (1.05) | 70. (1.22) | 80. (1.40) | 90. (1.57) | 100. (1.75) | 110. (1.92) | 120. (2.09) | 130. (2.27) | 140. (2.44) | 150. (2.62) | 160. (2.79) | 0. (0.) | 0. (0.) | 0. (0.) | 0. (0.) | PWL |
| VEHICLE CELL41 | 100 | 82.6 | 90.9 | 88.9 | 90.2 | 91.8 | 91.4 | 92.0 | 93.0 | 93.7 | 94.7 | 98.7 | 99.1 | 101.9 | | | | | 136.4 |
| CONFIG NC59 | 125 | 81.1 | 85.4 | 86.0 | 89.4 | 91.0 | 92.1 | 92.2 | 93.4 | 91.9 | 91.2 | 100.1 | 102.8 | 103.6 | | | | | 137.4 |
| LOC C41 ANECH CH | 200 | 83.8 | 83.5 | 87.7 | 87.8 | 88.4 | 89.8 | 90.7 | 90.3 | 90.7 | 91.4 | 97.0 | 101.7 | 103.4 | 106.4 | | | | 138.5 |
| DATE C6-16-76 | 250 | 82.8 | 86.1 | 88.1 | 87.4 | 89.0 | 90.1 | 93.2 | 95.1 | 96.6 | 101.2 | 108.6 | 111.3 | 112.6 | | | | | 142.5 |
| RUN CONF2HIGHFLW | 315 | 84.9 | 89.2 | 87.4 | 89.7 | 92.6 | 93.2 | 93.8 | 95.7 | 98.7 | 104.0 | 111.0 | 114.1 | 114.2 | | | | | 145.0 |
| TAPE X0245C | 400 | 86.5 | 88.5 | 90.2 | 90.0 | 91.3 | 92.7 | 93.8 | 97.0 | 100.2 | 106.3 | 113.2 | 115.9 | 115.0 | | | | | 147.3 |
| BAR 29.5 HG | 500 | 87.0 | 88.0 | 89.6 | 90.6 | 91.9 | 93.5 | 95.4 | 97.8 | 101.3 | 108.4 | 115.1 | 117.0 | 115.3 | | | | | 149.0 |
| (99468. N/M2) | 630 | 88.6 | 90.4 | 90.6 | 92.2 | 93.8 | 94.9 | 96.8 | 99.2 | 103.1 | 109.0 | 115.9 | 118.1 | 116.1 | | | | | 150.2 |
| TAMB 64. DEG F | 800 | 91.1 | 91.0 | 92.7 | 93.7 | 95.8 | 96.4 | 97.8 | 100.7 | 104.7 | 110.0 | 116.7 | 118.9 | 117.2 | | | | | 151.2 |
| (291. DEG K) | 1000 | 95.0 | 96.2 | 96.7 | 96.5 | 96.9 | 97.7 | 98.9 | 102.0 | 105.2 | 109.6 | 116.3 | 118.2 | 117.2 | | | | | 152.0 |
| TWET 59. DEG F | 1250 | 96.8 | 97.3 | 97.8 | 97.1 | 98.4 | 99.8 | 100.4 | 103.4 | 106.3 | 110.1 | 115.6 | 119.3 | 116.6 | | | | | 151.8 |
| (288. DEG K) | 1600 | 106.4 | 103.7 | 100.9 | 98.7 | 98.1 | 99.9 | 100.3 | 102.7 | 104.5 | 110.3 | 115.2 | 119.1 | 116.4 | | | | | 152.1 |
| HACT11.63 GM/M3 | 2000 | 108.9 | 107.2 | 104.0 | 101.1 | 99.7 | 100.8 | 103.8 | 107.0 | 109.8 | 114.3 | 117.7 | 114.2 | | | | | | 151.6 |
| (.01163 KG/M3) | 2500 | 107.5 | 108.1 | 108.6 | 108.4 | 107.5 | 103.6 | 101.5 | 103.9 | 107.6 | 108.9 | 113.9 | 115.8 | 111.8 | | | | | 151.4 |
| FREQ. SHIFT | 3150 | 105.0 | 105.3 | 107.1 | 108.1 | 109.4 | 108.0 | 104.7 | 104.8 | 108.3 | 109.4 | 114.1 | 114.0 | 110.8 | | | | | 151.4 |
| JET | 4000 | 103.0 | 103.6 | 104.1 | 104.6 | 105.7 | 107.3 | 107.2 | 106.9 | 107.6 | 108.9 | 112.6 | 112.0 | 108.6 | | | | | 150.1 |
| DIAMETER RATIO | 5000 | 101.9 | 102.4 | 103.5 | 104.3 | 105.2 | 107.3 | 108.5 | 108.0 | 108.8 | 112.3 | 110.9 | 107.9 | | | | | | 149.8 |
| OF/DN 1 | 6300 | 100.0 | 101.5 | 102.1 | 103.6 | 104.9 | 105.3 | 106.7 | 109.1 | 109.1 | 108.2 | 111.4 | 110.0 | 107.5 | | | | | 149.2 |
| | 8000 | 99.3 | 99.6 | 100.4 | 102.4 | 104.0 | 105.1 | 106.2 | 107.9 | 109.4 | 108.3 | 110.0 | 108.8 | 106.6 | | | | | 148.2 |
| | 10000 | 96.7 | 99.3 | 99.9 | 100.9 | 103.4 | 103.0 | 105.7 | 106.9 | 109.6 | 107.5 | 108.5 | 108.3 | 106.3 | | | | | 146.9 |
| | 12500 | 94.3 | 96.3 | 98.2 | 99.4 | 101.7 | 103.3 | 103.7 | 104.3 | 106.2 | 105.2 | 106.1 | 106.9 | 104.1 | | | | | 146.4 |
| | 16000 | 91.7 | 94.7 | 96.2 | 98.6 | 100.9 | 100.5 | 102.9 | 102.4 | 105.4 | 103.4 | 104.5 | 105.0 | 102.7 | | | | | 146.4 |
| | 20000 | 88.9 | 91.5 | 93.2 | 95.0 | 99.0 | 97.6 | 100.8 | 99.1 | 101.9 | 100.2 | 101.1 | 102.3 | 100.9 | | | | | 144.5 |
| | 25000 | 84.8 | 88.6 | 89.5 | 91.8 | 94.5 | 94.8 | 95.8 | 96.2 | 99.3 | 96.2 | 100.3 | 97.3 | 98.6 | | | | | 142.8 |
| | 31500 | 82.2 | 86.3 | 88.5 | 90.4 | 92.9 | 92.1 | 94.3 | 93.4 | 96.0 | 93.9 | 97.3 | 98.4 | 96.4 | | | | | 142.9 |
| | 40000 | 76.6 | 81.3 | 84.4 | 86.2 | 88.0 | 87.5 | 89.7 | 88.7 | 91.7 | 90.9 | 94.9 | 94.7 | 91.8 | | | | | 142.2 |
| | 50000 | 70.3 | 74.8 | 78.8 | 79.8 | 80.7 | 81.7 | 82.7 | 86.1 | 85.7 | 89.7 | 87.4 | 85.3 | | | | | | 140.3 |
| | 63000 | 64.6 | 69.4 | 73.3 | 73.2 | 73.2 | 73.4 | 74.2 | 76.3 | 79.9 | 80.3 | 85.6 | 81.7 | 78.9 | | | | | 141.0 |
| | 80000 | 60.9 | 65.1 | 70.1 | 68.2 | 67.1 | 68.2 | 68.9 | 68.8 | 74.6 | 75.4 | 80.7 | 76.3 | 74.4 | | | | | 145.2 |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 114.6 | 114.5 | 114.9 | 115.0 | 115.7 | 115.4 | 116.1 | 117.4 | 119.4 | 121.2 | 126.3 | 128.5 | 126.6 | | | | | 163.4 |
| PND# | | 127.3 | 127.8 | 128.3 | 128.6 | 129.5 | 129.0 | 128.9 | 130.0 | 131.7 | 133.5 | 138.2 | 139.4 | 137.0 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 245 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-145cm²(22.4in²)

| | 40. | 50. | 50. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.84) | (4.02) | (4.19) | (4.37) | (4.54) | (4.72) | (4.89) | (5.07) | (5.24) | (5.42) | (5.59) | (5.77) | (5.94) | (6.12) | (6.29) | (6.47) | (6.64) | (6.82) | (6.99) | (7.17) | (7.34) | (7.52) | (7.69) | (7.87) | (8.04) | (8.22) | (8.39) | (8.57) | (8.74) | (8.92) | (9.09) | (9.27) | (9.44) | (9.62) | (9.79) | (9.97) | (10.14) | (10.32) | (10.49) | (10.67) | (10.84) | (11.02) | (11.19) | (11.37) | (11.54) | (11.72) | (11.89) | (12.07) | (12.24) | (12.42) | (12.59) | (12.77) | (12.94) | (13.12) | (13.29) | (13.47) | (13.64) | (13.82) | (13.99) | (14.17) | (14.34) | (14.52) | (14.69) | (14.87) | (15.04) | (15.22) | (15.39) | (15.57) | (15.74) | (15.92) | (16.09) | (16.27) | (16.44) | (16.62) | (16.79) | (16.97) | (17.14) | (17.32) | (17.49) | (17.67) | (17.84) | (18.02) | (18.19) | (18.37) | (18.54) | (18.72) | (18.89) | (19.07) | (19.24) | (19.42) | (19.59) | (19.77) | (19.94) | (20.12) | (20.29) | (20.47) | (20.64) | (20.82) | (20.99) | (21.17) | (21.34) | (21.52) | (21.69) | (21.87) | (22.04) | (22.22) | (22.39) | (22.57) | (22.74) | (22.92) | (23.09) | (23.27) | (23.44) | (23.62) | (23.79) | (23.97) | (24.14) | (24.32) | (24.49) | (24.67) | (24.84) | (25.02) | (25.19) | (25.37) | (25.54) | (25.72) | (25.89) | (26.07) | (26.24) | (26.42) | (26.59) | (26.77) | (26.94) | (27.12) | (27.29) | (27.47) | (27.64) | (27.82) | (27.99) | (28.17) | (28.34) | (28.52) | (28.69) | (28.87) | (29.04) | (29.22) | (29.39) | (29.57) | (29.74) | (29.92) | (30.09) | (30.27) | (30.44) | (30.62) | (30.79) | (30.97) | (31.14) | (31.32) | (31.49) | (31.67) | (31.84) | (32.02) | (32.19) | (32.37) | (32.54) | (32.72) | (32.89) | (33.07) | (33.24) | (33.42) | (33.59) | (33.77) | (33.94) | (34.12) | (34.29) | (34.47) | (34.64) | (34.82) | (34.99) | (35.17) | (35.34) | (35.52) | (35.69) | (35.87) | (36.04) | (36.22) | (36.39) | (36.57) | (36.74) | (36.92) | (37.09) | (37.27) | (37.44) | (37.62) | (37.79) | (37.97) | (38.14) | (38.32) | (38.49) | (38.67) | (38.84) | (39.02) | (39.19) | (39.37) | (39.54) | (39.72) | (39.89) | (40.07) | (40.24) | (40.42) | (40.59) | (40.77) | (40.94) | (41.12) | (41.29) | (41.47) | (41.64) | (41.82) | (41.99) | (42.17) | (42.34) | (42.52) | (42.69) | (42.87) | (43.04) | (43.22) | (43.39) | (43.57) | (43.74) | (43.92) | (44.09) | (44.27) | (44.44) | (44.62) | (44.79) | (44.97) | (45.14) | (45.32) | (45.49) | (45.67) | (45.84) | (46.02) | (46.19) | (46.37) | (46.54) | (46.72) | (46.89) | (47.07) | (47.24) | (47.42) | (47.59) | (47.77) | (47.94) | (48.12) | (48.29) | (48.47) | (48.64) | (48.82) | (48.99) | (49.17) | (49.34) | (49.52) | (49.69) | (49.87) | (50.04) | (50.22) | (50.39) | (50.57) | (50.74) | (50.92) | (51.09) | (51.27) | (51.44) | (51.62) | (51.79) | (51.97) | (52.14) | (52.32) | (52.49) | (52.67) | (52.84) | (53.02) | (53.19) | (53.37) | (53.54) | (53.72) | (53.89) | (54.07) | (54.24) | (54.42) | (54.59) | (54.77) | (54.94) | (55.12) | (55.29) | (55.47) | (55.64) | (55.82) | (55.99) | (56.17) | (56.34) | (56.52) | (56.69) | (56.87) | (57.04) | (57.22) | (57.39) | (57.57) | (57.74) | (57.92) | (58.09) | (58.27) | (58.44) | (58.62) | (58.79) | (58.97) | (59.14) | (59.32) | (59.49) | (59.67) | (59.84) | (60.02) | (60.19) | (60.37) | (60.54) | (60.72) | (60.89) | (61.07) | (61.24) | (61.42) | (61.59) | (61.77) | (61.94) | (62.12) | (62.29) | (62.47) | (62.64)</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------|---|
| 2 | 245 | 45.7m (150ft.) ARC | FULL - 33m ² (513in ²) |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--------------------|-------|--|------|------|------|------|------|------|------|-------|------|-------|-------|------|------|------|------|----|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | n. | 0. | 0. | 0. |
| | | FREQ. (0.70)(0.37)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3) | | | | | | | | | | | | | | | | |
| NO E3A | 50 | 56.7 | 61.6 | 64.7 | 67.0 | 68.0 | 70.9 | 72.4 | 73.2 | 76.7 | 82.5 | 83.0 | 80.8 | | | | | |
| SIDELINE 2400. FT. | 80 | 58.8 | 64.6 | 67.0 | 69.3 | 71.0 | 71.5 | 73.0 | 75.2 | 79.4 | 84.8 | 85.7 | 82.3 | | | | | |
| (731.52 M) | 100 | 60.7 | 63.8 | 66.7 | 69.3 | 70.5 | 71.5 | 74.2 | 76.7 | 81.7 | 87.0 | 87.6 | 82.9 | | | | | |
| NFA | 125 | 62.2 | 65.6 | 67.7 | 69.5 | 71.2 | 73.0 | 75.0 | 77.7 | 83.7 | 88.7 | 88.3 | 83.0 | | | | | |
| (0. RAD/SEC) | 160 | 64.5 | 66.9 | 68.8 | 70.6 | 73.2 | 73.9 | 75.2 | 76.2 | 79.5 | 84.1 | 89.5 | 89.3 | 83.6 | | | | |
| NFK | 200 | 68.1 | 71.1 | 72.8 | 73.8 | 74.1 | 75.1 | 76.1 | 76.8 | 81.3 | 84.4 | 88.9 | 84.0 | | | | | |
| (0. RAD/SEC) | 250 | 69.7 | 72.0 | 73.7 | 75.1 | 75.7 | 77.1 | 77.5 | 80.0 | 82.2 | 84.8 | 88.5 | 89.6 | 82.6 | | | | |
| NFD | 315 | 79.0 | 78.1 | 76.5 | 75.1 | 74.9 | 77.0 | 77.2 | 79.1 | 82.0 | 84.6 | 87.8 | 89.1 | 82.0 | | | | |
| (7500. RPM) | 400 | 81.1 | 81.7 | 82.5 | 83.1 | 83.7 | 80.0 | 77.7 | 79.7 | 82.5 | 83.6 | 86.4 | 87.0 | 79.0 | | | | |
| AIRFLOW RATIO | 500 | 81.7 | 81.7 | 81.5 | 81.5 | 81.5 | 80.0 | 77.7 | 79.7 | 82.5 | 82.5 | 85.5 | 84.5 | 75.6 | | | | |
| W/FUM 4.78 | 630 | 78.3 | 78.3 | 78.3 | 78.3 | 85.3 | 84.1 | 80.6 | 80.2 | 82.8 | 82.5 | 85.1 | 91.8 | 73.3 | | | | |
| VEHICLE | 800 | 75.9 | 77.9 | 79.4 | 81.1 | 82.8 | 82.6 | 81.7 | 81.4 | 81.3 | 82.8 | 87.7 | 69.4 | | | | | |
| CELL41 | 1000 | 71.0 | 73.9 | 76.5 | 78.3 | 79.0 | 80.1 | 82.0 | 82.6 | 81.1 | 80.3 | 81.3 | 76.2 | 66.7 | | | | |
| CONFIG | 1250 | 67.8 | 72.0 | 74.2 | 76.9 | 78.8 | 79.4 | 80.6 | 82.4 | 81.2 | 78.6 | 79.2 | 73.7 | 63.8 | | | | |
| LOC C41 AVECH CN | 1600 | 65.3 | 68.6 | 71.3 | 74.5 | 76.8 | 78.1 | 79.1 | 80.0 | 80.3 | 77.3 | 76.0 | 70.1 | 59.3 | | | | |
| DATE 06-10-76 | 2000 | 60.6 | 66.6 | 69.3 | 71.7 | 75.0 | 74.9 | 77.3 | 77.7 | 79.1 | 74.8 | 72.4 | 66.8 | 54.8 | | | | |
| RUN CONF2HIGHFLW | 2500 | 55.3 | 61.2 | 65.6 | 68.3 | 71.5 | 71.4 | 73.5 | 73.2 | 73.6 | 70.0 | 67.0 | 61.4 | 46.5 | | | | |
| TAPE | 3150 | 47.8 | 55.6 | 60.1 | 64.4 | 67.8 | 67.7 | 69.8 | 68.2 | 69.4 | 64.3 | 60.6 | 53.1 | 35.3 | | | | |
| K02450 | 4000 | 37.7 | 46.4 | 51.9 | 56.2 | 61.5 | 60.5 | 63.2 | 60.2 | 60.7 | 55.1 | 49.8 | 40.5 | 18.7 | | | | |
| FAN TIP SPEED | 5000 | 30.1 | 40.9 | 46.1 | 51.1 | 55.3 | 56.0 | 56.5 | 55.9 | 55.9 | 48.5 | 45.6 | 30.8 | 8.8 | | | | |
| FT/SEC | 6300 | 15.3 | 28.7 | 36.5 | 42.1 | 46.5 | 46.3 | 47.9 | 45.1 | 44.1 | 36.3 | 30.5 | 15.7 | | | | | |
| | 8000 | 8.4 | 19.5 | 25.0 | 30.4 | 34.6 | 30.8 | 32.2 | 28.5 | 26.7 | 18.1 | 9.3 | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 86.0 | 67.5 | 69.1 | 69.8 | 70.7 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | |
| PNCS | 91.3 | 93.4 | 95.5 | 96.8 | 98.3 | 98.0 | 98.8 | 98.8 | 99.6 | 100.8 | 99.9 | 102.3 | 101.5 | 94.2 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 245 ACoustic RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------------|--------------------|--------------------|------|------|
| | | | | | | | | | | | | | | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL | | |
| | | | | | | | | | | | | | | | | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| FREQ. | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | 10000 | 12500 | 16000 | 20000 | 25000 | 31500 | 40000 | 50000 | 63000 | 80000 | OVERALL MEASURED | | | |
| NO EGA | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | 10000 | 12500 | 16000 | 20000 | 25000 | 31500 | 40000 | 50000 | 63000 | 80000 | OVERALL CALCULATED | | | | |
| RDG. NO. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | OVERALL CALCULATED | | | |
| RADIAL | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | 40. FT. | OVERALL CALCULATED | | | |
| VEHICLE | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | CELL41 | OVERALL CALCULATED | | |
| CONFIG | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | MC59 | OVERALL CALCULATED | | |
| LOC | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | C41 ANECH CH | OVERALL CALCULATED | | | |
| DATE | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | 06-16-76 | OVERALL CALCULATED | | | |
| RUN | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | CONF2HGMFLB | OVERALL CALCULATED | | |
| TAPE | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | X02460 | OVERALL CALCULATED | | |
| BAR | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | 29.5 HG | OVERALL CALCULATED | | | |
| TAPB | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | (99482. R/M2) | OVERALL CALCULATED | | | |
| TAPB | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | 64. DEG F | OVERALL CALCULATED | | | |
| TAPB | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | (291. DEG K) | OVERALL CALCULATED | | | |
| TWET | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | 59. DEG F | OVERALL CALCULATED | | | |
| TWET | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | (288. DEG K) | OVERALL CALCULATED | | | |
| HALT | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | 11.63 GH/M3 | OVERALL CALCULATED | | | |
| FREQ. | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | SHIFT | OVERALL CALCULATED | | | |
| JET | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | OVERALL CALCULATED | | | |
| DIAMETER | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | RATIO | OVERALL CALCULATED | | |
| DF/DH | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | OVERALL CALCULATED | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 246 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-145cm²(22.4in²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | |
|---------------|------------|-------------------|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
| 2 | 24C | 45.7m(150ft.) ARC |

SIZE
FULL-.33m²(513in²)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| FREQ. | 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | O. C. G. O. | | | |
|-------|---|--|--|--|-------------|--|--|--|
| | (0.70) (0.27) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (2.96) (3.13) (3.30) (3.47) (3.64) (3.81) (3.98) (4.15) (4.32) (4.49) (4.66) (4.83) (5.00) (5.17) (5.34) (5.51) (5.68) (5.85) (6.02) (6.19) (6.36) (6.53) (6.70) (6.87) (7.04) (7.21) (7.38) (7.55) (7.72) (7.89) (8.06) (8.23) (8.40) (8.57) (8.74) (8.91) (9.08) (9.25) (9.42) (9.59) (9.76) (9.93) (10.10) (10.27) (10.44) (10.61) (10.78) (10.95) (11.12) (11.29) (11.46) (11.63) (11.80) (11.97) (12.14) (12.31) (12.48) (12.65) (12.82) (12.99) (13.16) (13.33) (13.50) (13.67) (13.84) (14.01) (14.18) (14.35) (14.52) (14.69) (14.86) (15.03) (15.20) (15.37) (15.54) (15.71) (15.88) (16.05) (16.22) (16.39) (16.56) (16.73) (16.90) (17.07) (17.24) (17.41) (17.58) (17.75) (17.92) (18.09) (18.26) (18.43) (18.60) (18.77) (18.94) (19.11) (19.28) (19.45) (19.62) (19.79) (19.96) (20.13) (20.30) (20.47) (20.64) (20.81) (20.98) (21.15) (21.32) (21.49) (21.66) (21.83) (22.00) (22.17) (22.34) (22.51) (22.68) (22.85) (23.02) (23.19) (23.36) (23.53) (23.70) (23.87) (24.04) (24.21) (24.38) (24.55) (24.72) (24.89) (25.06) (25.23) (25.40) (25.57) (25.74) (25.91) (26.08) (26.25) (26.42) (26.59) (26.76) (26.93) (27.10) (27.27) (27.44) (27.61) (27.78) (27.95) (28.12) (28.29) (28.46) (28.63) (28.80) (28.97) (29.14) (29.31) (29.48) (29.65) (29.82) (30.00) (30.17) (30.34) (30.51) (30.68) (30.85) (31.02) (31.19) (31.36) (31.53) (31.70) (31.87) (32.04) (32.21) (32.38) (32.55) (32.72) (32.89) (33.06) (33.23) (33.40) (33.57) (33.74) (33.91) (34.08) (34.25) (34.42) (34.59) (34.76) (34.93) (35.10) (35.27) (35.44) (35.61) (35.78) (35.95) (36.12) (36.29) (36.46) (36.63) (36.80) (36.97) (37.14) (37.31) (37.48) (37.65) (37.82) (37.99) (38.16) (38.33) (38.50) (38.67) (38.84) (39.01) (39.18) (39.35) (39.52) (39.69) (39.86) (40.03) (40.20) (40.37) (40.54) (40.71) (40.88) (41.05) (41.22) (41.39) (41.56) (41.73) (41.90) (42.07) (42.24) (42.41) (42.58) (42.75) (42.92) (43.09) (43.26) (43.43) (43.60) (43.77) (43.94) (44.11) (44.28) (44.45) (44.62) (44.79) (44.96) (45.13) (45.30) (45.47) (45.64) (45.81) (45.98) (46.15) (46.32) (46.49) (46.66) (46.83) (47.00) (47.17) (47.34) (47.51) (47.68) (47.85) (48.02) (48.19) (48.36) (48.53) (48.70) (48.87) (49.04) (49.21) (49.38) (49.55) (49.72) (49.89) (50.06) (50.23) (50.40) (50.57) (50.74) (50.91) (51.08) (51.25) (51.42) (51.59) (51.76) (51.93) (52.10) (52.27) (52.44) (52.61) (52.78) (52.95) (53.12) (53.29) (53.46) (53.63) (53.80) (53.97) (54.14) (54.31) (54.48) (54.65) (54.82) (54.99) (55.16) (55.33) (55.50) (55.67) (55.84) (56.01) (56.18) (56.35) (56.52) (56.69) (56.86) (57.03) (57.20) (57.37) (57.54) (57.71) (57.88) (58.05) (58.22) (58.39) (58.56) (58.73) (58.90) (59.07) (59.24) (59.41) (59.58) (59.75) (59.92) (60.09) (60.26) (60.43) (60.60) (60.77) (60.94) (61.11) (61.28) (61.45) (61.62) (61.79) (61.96) (62.13) (62.30) (62.47) (62.64) (62.81) (62.98) (63.15) (63.32) (63.49) (63.66) (63.83) (64.00) (64.17) (64.34) (64.51) (64.68) (64.85) (65.02) (65.19) (65.36) (65.53) (65.70) (65.87) (66.04) (66.21) (66.38) (66.55) (66.72) (66.89) (67.06) (67.23) (67.40) (67.57) (67.74) (67.91) (68.08) (68.25) (68.42) (68.59) (68.76) (68.93) (69.10) (69.27) (69.44) (69.61) (69.78) (69.95) (70.12) (70.29) (70.46) (70.63) (70.80) (70.97) (71.14) (71.31) (71.48) (71.65) (71.82) (71.99) (72.16) (72.33) (72.50) (72.67) (72.84) (73.01) (73.18) (73.35) (73.52) (73.69) (73.86) (74.03) (74.20) (74.37) (74.54) (74.71) (74.88) (75.05) (75.22) (75.39) (75.56) (75.73) (75.90) (76.07) (76.24) (76.41) (76.58) (76.75) (76.92) (77.09) (77.26) (77.43) (77.60) (77.77) (77.94) (78.11) (78.28) (78.45) (78.62) (78.79) (78.96) (79.13) (79.30) (79.47) (79.64) (79.81) (79.98) (80.15) (80.32) (80.49) (80.66) (80.83) (81.00) (81.17) (81.34) (81.51) (81.68) (81.85) (82.02) (82.19) (82.36) (82.53) (82.70) (82.87) (83.04) (83.21) (83.38) (83.55) (83.72) (83.89) (84.06) (84.23) (84.40) (84.57) (84.74) (84.91) (85.08) (85.25) (85.42) (85.59) (85.76) (85.93) (86.10) (86.27) (86.44) (86.61) (86.78) (86.95) (87.12) (87.29) (87.46) (87.63) (87.80) (87.97) (88.14) (88.31) (88.48) (88.65) (88.82) (88.99) (89.16) (89.33) (89.50) (89.67) (89.84) (90.01) (90.18) (90.35) (90.52) (90.69) (90.86) (91.03) (91.20) (91.37) (91.54) (91.71) (91.88) (92.05) (92.22) (92.39) (92.56) (92.73) (92.90) (93.07) (93.24) (93.41) (93.58) (93.75) (93.92) (94.09) (94.26) (94.43) (94.60) (94.77) (94.94) (95.11) (95.28) (95.45) (95.62) (95.79) (95.96) (96.13) (96.30) (96.47) (96.64) (96.81) (96.98) (97.15) (97.32) (97.49) (97.66) (97.83) (98.00) (98.17) (98.34) (98.51) (98.68) (98.85) (99.02) (99.19) (99.36) (99.53) (99.70) (99.87) (100.04) (100.21) (100.38) (100.55) (100.72) (100.89) (101.06) (101.23) (101.40) (101.57) (101.74) (101.91) (102.08) (102.25) (102.42) (102.59) (102.76) (102.93) (103.10) (103.27) (103.44) (103.61) (103.78) (103.95) (104.12) (104.29) (104.46) (104.63) (104.80) (104.97) (105.14) (105.31) (105.48) (105.65) (105.82) (105.99) (106.16) (106.33) (106.50) (106.67) (106.84) (107.01) (107.18) (107.35) (107.52) (107.69) (107.86) (108.03) (108.20) (108.37) (108.54) (108.71) (108.88) (109.05) (109.22) (109.39) (109.56) (109.73) (109.90) (110.07) (110.24) (110.41) (110.58) (110.75) (110.92) (111.09) (111.26) (111.43) (111.60) (111.77) (111.94) (112.11) (112.28) (112.45) (112.62) (112.79) (112.96) (113.13) (113.30) (113.47) (113.64) (113.81) (113.98) (114.15) (114.32) (114.49) (114.66) (114.83) (115.00) (115.17) (115.34) (115.51) (115.68) (115.85) (116.02) (116.19) (116.36) (116.53) (116.70) (116.87) (117.04) (117.21) (117.38) (117.55) (117.72) (117.89) (118.06) (118.23) (118.40) (118.57) (118.74) (118.91) (119.08) (119.25) (119.42) (119.59) (119.76) (119.93) (120.10) (120.27) (120.44) (120.61) (120.78) (120.95) (121.12) (121.29) (121.46) (121.63) (121.80) (121.97) (122.14) (122.31) (122.48) (122.65) (122.82) (122.99) (123.16) (123.33) (123.50) (123.67) (123.84) (124.01) (124.18) (124.35) (124.52) (124.69) (124.86) (125.03) (125.20) (125.37) (125.54) (125.71) (125.88) (126.05) (126.22) (126.39) (126.56) (126.73) (126.90) (127.07) (127.24) (127.41) (127.58) (127.75) (127.92) (128.09) (128.26) (128.43) (128.60) (128.77) (128.94) (129.11) (129.28) (129.45) (129.62) (129.79) (129.96) (130.13) (130.30) (130.47) (130.64) (130.81) (130.98) (131.15) (131.32) (131.49) (131.66) (131.83) (132.00) (132.17) (132.34) (132.51) (132.68) (132.85) (133.02) (133.19) (133.36) (133.53) (133.70) (133.87) (134.04) (134.21) (134.38) (134.55) (134.72) (134.89) (135.06) (135.23) (135.40) (135.57) (135.74) (135.91) (136.08) (136.25) (136.42) (136.59) (136.76) (136.93) (137.10) (137.27) (137.44) (137.61) (137.78) (137.95) (138.12) (138.29) (138.46) (138.63) (138.80) (138.97) (139.14) (139.31) (139.48) (139.65) (139.82) (140.00) (140.17) (140.34) (140.51) (140.68) (140.85) (141.02) (141.19) (141.36) (141.53) (141.70) (141.87) (142.04) (142.21) (142.38) (142.55) (142.72) (142.89) (143.06) (143.23) (143.40) (143.57) (143.74) (143.91) (144.08) (144.25) (144.42) (144.59) (144.76) (144.93) (145.10) (145.27) (145.44) (145.61) (145.78) (145.95) (146.12) (146.29) (146.46) (146.63) (146.80) (146.97) (147.14) (147.31) (147.48) (147.65) (147.82) (147.99) (148.16) (148.33) (148.50) (148.67) (148.84) (149.01) (149.18) (149.35) (149.52) (149.69) (149.86) (150.03) (150.20) (150.37) (150.54) (150.71) (150.88) (151.05) (151.22) (151.39) (151.56) (151.73) (151.90) (152.07) (152.24) (152.41) (152.58) (152.75) (152.92) (153.09) (153.26) (153.43) (153.60) (153.77) (153.94) (154.11) (154.28) (154.45) (154.62) (154.79) (154.96) (155.13) (155.30) (155.47) (155.64) (155.81) (155.98) (156.15) (156.32) (156.49) (156.66) (156.83) (157.00) (157.17) (157.34) (157.51) (157.68) (157.85) (158.02) (158.19) (158.36) (158.53) (158.70) (158.87) (159.04) (159.21) (159.38) (159.55) (159.72) (159.89) (160.06) (160.23) (160.40) (160.57) (160.74) (160.91) (161.08) (161.25) (161.42) (161.59) (161.76) (161.93) (162.10) (162.27) (162.44) (162.61) (162.78) (162.95) (163.12) (163.29) (163.46) (163.63) (163.80) (163.97) (164.14) (164.31) (164.48) (164.65) (164.82) (164.99) (165.16) (165.33) (165.50) (165.67) (165.84) (166.01) (166.18) (166.35) (166.52) (166.69) (166.86) (167.03) (167.20) (167.37) (167.54) (167.71) (167.88) (168.05) (168.22) (168.39) (168.56) (168.73) (168.90) (169.07) (169.24) (169.41) (169.58) (169.75) (169.92) (170.09) (170.26) (170.43) (170.60) (170.77) (170.94) (171.11) (171.28) (171.45) (171.62) (171.79) (171.96) (172.13) (172.30) (172.47) (172.64) (172.81) (172.98) (173.15) (173.32) (173.49) (173.66) (173.83) (174.00) (174.17) (174.34) (174.51) (174.68) (174.85) (175.02) (175.19) (175.36) (175.53) (175.70) (175.87) (176.04) (176.21) (176.38) (176.55) (176.72) (176.89) (177.06) (177.23) (177.40) (177.57) (177.74) (177.91) (178.08) (178.25) (178.42) (178.59) (178.76) (178.93) (179.10) (179.27) (179.44) (179.61) (179.78) (179.95) (180.12) (180.29) (180.46) (180.63) (180.80) (180.97) (181.14) (181.31) (181.48) (181.65) (181.82) (181.99) (182.16) (182.33) (182.50) (182.67) (182.84) (183.01) (183.18) (183.35) (183.52) (183.69) (183.86) (184.03) (184.20) (184.37) (184.54) (184.71) (184.88) (185.05) (185.22) (185.39) (185.56) (185.73) (185.90) (186.07) (186.24) (186.41) (186.58) (186.75) (186.92) (187.09) (187.26) (187.43) (187.60) (187.77) (187.94) (188.11) (188.28) (188.45) (188.62) (188.79) (188.96) (189.13) (189.30) (189.47) (189.64) (189.81) (189.98) (190.15) (190.32) (190.49) (190.66) (190.83) (191.00) (191.17) (191.34) (191.51) (191.68) (191.85) (192.02) (192.19) (192.36) (192.53) (192.70) (192.87) (193.04) (193.21) (193.38) (193.55) (193.72) (193.89) (194.06) (194.23) (194.40) (194.57) (194.74) (194.91) (195.08) (195.25) (195.42) (195.59) (195.76) (195.93) (196.10) (196.27) (196.44) (196.61) (196.78) (196.95) (197.12) (197.29) (197.46) (197.63) (197.80) (197.97) (198.14) (198.31) (198.48) (198.65) (198.82) (198.99) (199.16) (199.33) (199.50) (199.67) (199.84) (200.01) (200.18) (200.35) (200.52) (200.69) (200.86) (201.03) (201.20) (201.37) (201.54) (201.71) (201.88) (202.05) (202.22) (202.39) (202.56) (202.73) (202.90) (203.07) (203.24) (203.41) (203.58) (203.75) (203.92) (204.09) (204.26) (204.43) (204.60) (204.77) (204.94) (205.11) (205.28) (205.45) (205.62) (205.79) (205.96) (206.13) (206.30) (206.47) (206.64) (206.81) (206.98) (207.15) (207.32) (207.49) (207.66) (207.83) (208.00) (208.17) (208.34) (208.51) (208.68) (208.85) (209.02) (209.19) (209.36) (209.53) (209.70) (209.87) (210.04) (210.21) (210.38) (210.55) (210.72) (210.89) (211.06) (211.23) (211.40) (211.57) (211.74) (211.91) (212.08) (212.25) (212.42) (212.59) (212.76) (212.93) (213.10) (213.27) (213.44) (213.61) (213.78) (213.95) (214.12) (214.29) (214.46) (214.63) (214.80) (214.97) (215.14) (215.31) (215.48) (215.65) (215.82) (215.99) (216.16) (216.33) (216.50) (216.67) (216.84) (217.01) (217.18) (217.35) (217.52) (217.69) (217.86) (218.03) (218.20) (218.37) (218.54) (218.71) (218.88) (219.05) (219.22) (219.39) (219.56) (219.73) (219.90) (220.07) (220.24) (220.41) (220.58) (220.75) (220.92) (221.09) (221.26) (221.43) (221.60) (221.77) (221.94) (222.11) (222.28) (222.45) (222.62) (222.79) (222.96) (223.13) (223.30) (223.47) (223.64) (223.81) (223.98) (224.15) (224.32) (224.49) (224.66) (224.83) (225.00) (225.17) (225.34) (225.51) (225.68) (225.85) (226.02) (226.19) (226.36) (226.53) (226.70) (226.87) (227.04) (227.21) (227.38) (227.55) (227.72) (227.89) (228.06) (228.23) (228.40) (228.57) (228.74) (228.91) (229.08) (229.25) (229.42) (229.59) (229.76) (229.93) (230.10) (230.27) (230.44) (230.61) (230.78) (230.95) (231.12) (231.29) (231.46) (231.63) (231.80) (231.97) (232.14) (232.31) (232.48) (232.65) (232.82) (232.99) (233.16) (233.33) (233.50) (233.67) (233.84) (234.01) (234.18) (234.35) (234.52) (234.69) (234.86) (235.03) (235.20) (235.37) (235.54) (235.71) (235.88) (236.05) (236.22) (236.39) (236.56) (236.73) (236.90) (237.07) (237.24) (237.41) (237.58) (237.75) (237.92) (238.09) (238.26) (238.43) (238.60) (238.77) (238.94) (239.11) (239.28) (239.45) (239.62) (239.79) (239.96) (240.13) (240.30) (240.47) (240.64) (240.81) (240.98) (241.15) (241.32) (241.49) (241.66) (241.83) (242.00) (242.17) (242.34) (242.51) (242.68) (242.85) (243.02) (243.19) (243.36) (243.53) (243.70) (243.87) (244.04) (244.21) (244.38) (244.55) (244.72) (244.89) (245.06) (245.23) (245.40) (245.57) (245.74) (245.91) (246.08) (246.25) (246.42) (246.59) (246.76) (246.93) (247.10) (247.27) (247.44) (247.61) (247.78) (247.95) (248.12) (248.29) (248.46) (248.63) (248.80) (248.97) (249.14) (249.31) (249.48) (249.65) (249.82) (250.00) (250.17) (250.34) (250.51) (250.68) (250.85) (251.02) (251.19) (251.36) (251.53) (251.70) (251.87) (252.04) (252.21) (252.38) (252.55) (252.72) (252.89) (253.06) (253.23) (253.40) (253.57) (253.74) (253.91) (254.08) (254.25) (254.42) (254.59) (254.76) (254.93) (255.10) (255.27) (255.44) (255.61) (255.78) (255.95) (256.12) (256.29) (256.46) (256.63) (256.80) (256.97) (257.14) (257.31) (257.48) (257.65) (257.82) (257.99) (258.16) (258.33) (258.50) (258.67) (258.84) (259.01) (259.18) (259.35) (259.52) (259.69) (259.86) (260.03) (260.20) (260.37) (260.54) (260.71) (260.88) (261.05) (261.22) (261.39) (261.56) (261.73) (261.90) (262.07) (262.24) (262.41) (262.58) (262.75) (262.92) (263.09) (263.26) (263.43) (263.60) (263.77) (263.94) (264.11) (264.28) (264.45) (264.62) (264.79) (264.96) (265.13) (265.30) (265.47) (265.64) (265.81) (265.98) (266.15) (266.32) (266.49) (266.66) (266.83) (267.00) (267.17) (267.34) (267.51) (267.68) (267.85) (268.02) (268.19) (268.36) (268.53) (268.70) (268.87) (269.04) (269.21) (269 | | | | | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | | |
| ANGLES FROM IMLEY IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| C. 0. | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 247 ACOUSTIC RANGE 45.7m(150ft.) ARC FULL-.33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 30 HR. 15.3

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 57.5 | 62.3 | 64.9 | 65.7 | 67.4 | 69.2 | 71.7 | 73.2 | 74.4 | 78.2 | 83.3 | 83.7 | 80.8 | | |
| SIDELINE 2400. FT. | 63 | 59.0 | 63.6 | 64.7 | 67.2 | 70.3 | 71.8 | 72.3 | 74.0 | 76.2 | 80.7 | 85.6 | 86.7 | 83.0 | | |
| (731.52 ft) | 80 | 61.2 | 64.3 | 67.7 | 69.7 | 71.5 | 72.2 | 75.2 | 77.9 | 83.2 | 87.5 | 87.9 | 82.9 | | | |
| NFA | 100 | 61.7 | 64.3 | 67.2 | 68.7 | 70.7 | 72.5 | 73.7 | 76.0 | 79.2 | 84.7 | 88.6 | 83.0 | | | |
| (1. RPM) | 125 | 63.2 | 66.3 | 68.2 | 70.2 | 71.8 | 73.5 | 75.0 | 77.2 | 80.7 | 85.4 | 89.0 | 83.1 | | | |
| (0. RAD/SEC) | 160 | 64.8 | 67.6 | 69.3 | 71.4 | 73.2 | 74.7 | 76.4 | 78.4 | 81.6 | 86.0 | 89.1 | 89.6 | 84.0 | | |
| NFK | 200 | 67.4 | 70.1 | 72.0 | 72.8 | 74.4 | 76.1 | 76.6 | 79.3 | 82.5 | 85.7 | 87.9 | 88.1 | 83.5 | | |
| (0. RAD/SEC) | 250 | 67.0 | 70.2 | 72.9 | 73.5 | 75.0 | 76.8 | 77.8 | 80.2 | 83.4 | 85.6 | 86.8 | 83.6 | | | |
| NFD | 315 | 69.7 | 71.8 | 72.0 | 74.6 | 75.9 | 77.2 | 78.4 | 80.1 | 84.0 | 85.4 | 86.8 | 88.8 | 83.3 | | |
| (7500. RPM) | 400 | 73.6 | 75.0 | 75.0 | 74.4 | 76.0 | 77.0 | 78.7 | 80.6 | 84.0 | 84.6 | 86.9 | 89.3 | 81.0 | | |
| (785. RPM/SEC) | 500 | 75.4 | 76.4 | 77.8 | 77.7 | 77.0 | 77.0 | 78.2 | 81.2 | 84.0 | 84.3 | 86.8 | 86.5 | 78.1 | | |
| AIRFLOW RATIO | 630 | 73.2 | 75.8 | 78.3 | 79.7 | 80.3 | 78.1 | 78.6 | 81.2 | 84.3 | 84.7 | 87.1 | 86.3 | 75.0 | | |
| WFA/M 4.78 | 800 | 70.4 | 72.4 | 76.2 | 77.4 | 78.6 | 79.3 | 79.1 | 81.4 | 82.7 | 84.3 | 85.3 | 81.0 | 70.6 | | |
| VEHICLE CELL 41 | 1000 | 69.2 | 72.9 | 74.8 | 76.6 | 77.5 | 79.1 | 79.0 | 81.3 | 81.8 | 83.1 | 83.6 | 78.2 | 68.5 | | |
| CONFIG NC59 | 1250 | 66.5 | 70.5 | 74.0 | 76.1 | 77.8 | 78.6 | 79.3 | 80.9 | 82.0 | 81.1 | 50.9 | 75.4 | 64.5 | | |
| LOC C41 ANECHO CH | 1600 | 64.3 | 68.1 | 71.3 | 74.3 | 76.8 | 77.9 | 79.1 | 81.0 | 80.3 | 79.8 | 77.5 | 71.6 | 59.3 | | |
| DATE 06-16-76 | 2000 | 60.1 | 66.1 | 69.3 | 72.4 | 75.3 | 75.4 | 77.0 | 78.2 | 78.1 | 76.6 | 74.4 | 68.1 | 54.5 | | |
| RUN CONF2/HIGHFLW | 2500 | 55.0 | 61.7 | 66.1 | 69.1 | 72.3 | 72.4 | 74.3 | 74.7 | 74.8 | 72.3 | 69.0 | 62.1 | 46.2 | | |
| TAPE X02470 | 3150 | 48.5 | 56.4 | 61.6 | 65.4 | 69.0 | 69.2 | 70.8 | 70.2 | 70.1 | 66.8 | 62.6 | 54.4 | 35.8 | | |
| FAN TIP SPEED | 4000 | 38.4 | 47.1 | 53.6 | 58.4 | 63.0 | 62.5 | 64.2 | 62.0 | 62.2 | 57.1 | 52.0 | 41.5 | 18.5 | | |
| FT/SEC | 5000 | 31.4 | 41.9 | 48.1 | 53.1 | 57.5 | 58.0 | 57.8 | 57.2 | 57.7 | 51.3 | 47.8 | 32.6 | 8.1 | | |
| | 6300 | 16.8 | 30.2 | 38.6 | 43.8 | 48.7 | 48.5 | 49.6 | 47.6 | 46.4 | 39.6 | 32.7 | 16.9 | | | |
| | 8000 | | 9.9 | 21.7 | 28.0 | 32.7 | 33.0 | 33.9 | 31.2 | 29.7 | 22.6 | 11.3 | | | | |
| | 10000 | | | | 5.4 | 9.6 | 11.3 | 10.4 | 7.9 | 5.4 | | | | | | |
| | 12500 | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 81.3 | 83.7 | 85.7 | 86.9 | 88.2 | 88.9 | 89.8 | 91.9 | 94.2 | 96.1 | 98.6 | 98.8 | 93.2 | | |
| PN03 | | 87.4 | 90.2 | 92.6 | 94.6 | 96.9 | 97.6 | 98.7 | 100.4 | 101.3 | 101.7 | 102.9 | 102.1 | 95.0 | | |

ROGRAM
MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
PROC. DATE - MONTH 8 DAY 30 HR. 15.1
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | FREQ. | 40.
(0.70) | 50.
(0.87) | 60.
(1.05) | 70.
(1.22) | 80.
(1.40) | 90.
(1.57) | 100.
(1.75) | 110.
(1.92) | 120.
(2.09) | 130.
(2.27) | 140.
(2.44) | 150.
(2.62) | 160.
(2.79) | 0.
(0.) | 0.
(0.) | 0.
(0.) | PWL |
|------------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|------------|-------|
| NO EGA | 50 | | | | | | | | | | | | | | | | | |
| ROG. NO. | 63 | | | | | | | | | | | | | | | | | |
| RADIAL (12. M) | 80 | | | | | | | | | | | | | | | | | |
| VEHICLE CELL41 | 100 | 85-1 | 93-7 | 91-9 | 93-5 | 95-0 | 94-4 | 95-3 | 96-2 | 97-2 | 98-0 | 101-9 | 102-9 | 105-4 | | | | 139-8 |
| CONFIG NC59 | 125 | 83-6 | 87-9 | 89-6 | 91-9 | 94-0 | 95-9 | 96-2 | 97-4 | 95-6 | 94-4 | 103-9 | 106-6 | 107-6 | | | | 141-2 |
| LOC C41 ANECH CH | 200 | 84-1 | 87-2 | 90-9 | 90-5 | 90-8 | 91-2 | 91-0 | 93-5 | 95-2 | 100-2 | 105-2 | 107-4 | 109-9 | | | | 142-1 |
| DATE 06-16-76 | 250 | 87-5 | 87-0 | 88-8 | 90-8 | 91-9 | 92-8 | 94-2 | 96-3 | 99-3 | 102-9 | 107-3 | 112-3 | 114-3 | | | | 145-9 |
| RUN CONFIGNFLW | 315 | 87-2 | 91-9 | 90-2 | 92-2 | 94-8 | 95-7 | 96-8 | 99-0 | 101-7 | 107-8 | 114-2 | 117-4 | 117-7 | | | | 148-3 |
| TAPE X0248G | 400 | 89-4 | 91-0 | 93-2 | 92-3 | 94-1 | 95-2 | 96-6 | 99-3 | 103-2 | 110-0 | 116-7 | 119-2 | 117-7 | | | | 150-6 |
| BAR 29.4 HG | 500 | 90-0 | 91-0 | 92-5 | 93-6 | 94-7 | 96-8 | 98-2 | 100-3 | 104-3 | 112-1 | 118-6 | 119-7 | 117-8 | | | | 152-2 |
| (99414. N/M2) | 630 | 91-4 | 93-1 | 93-4 | 94-7 | 96-3 | 97-6 | 99-5 | 101-9 | 105-9 | 112-5 | 118-9 | 121-1 | 118-4 | | | | 153-3 |
| TAMB 64. DEG F | 800 | 94-1 | 94-4 | 94-9 | 96-7 | 97-8 | 99-2 | 100-8 | 102-7 | 107-2 | 113-2 | 119-2 | 121-1 | 119-4 | | | | 154-1 |
| (291. DEG K) | 1000 | 98-7 | 99-0 | 98-7 | 99-0 | 99-9 | 100-5 | 101-9 | 104-8 | 108-2 | 113-1 | 119-3 | 120-7 | 119-6 | | | | 154-5 |
| TWET 59. DEG F | 1250 | 102-8 | 101-8 | 101-0 | 101-2 | 102-1 | 102-4 | 103-1 | 105-5 | 110-2 | 113-5 | 119-0 | 121-6 | 118-4 | | | | 154-8 |
| (288. DEG K) | 1600 | 108-6 | 106-7 | 105-2 | 103-7 | 102-1 | 102-4 | 103-1 | 105-5 | 110-2 | 113-5 | 119-0 | 121-6 | 118-4 | | | | 155-0 |
| HACT11.63 GM/M3 | 2000 | 108-2 | 108-0 | 108-7 | 107-8 | 106-3 | 103-5 | 104-1 | 106-5 | 110-2 | 113-8 | 119-0 | 120-9 | 116-2 | | | | 154-9 |
| (.01163 KG/M3) | 3150 | 104-2 | 105-3 | 106-3 | 107-3 | 108-9 | 108-5 | 108-2 | 108-8 | 111-6 | 114-1 | 119-3 | 117-5 | 112-8 | | | | 154-4 |
| JET | 4000 | 102-5 | 103-8 | 104-6 | 105-1 | 106-2 | 107-1 | 108-2 | 109-6 | 111-6 | 114-2 | 116-6 | 116-0 | 110-1 | | | | 153-1 |
| DIMETER RATIO | 5000 | 101-4 | 102-7 | 104-2 | 105-3 | 105-6 | 106-4 | 107-3 | 110-8 | 111-7 | 113-8 | 115-5 | 114-2 | 109-8 | | | | 152-3 |
| DP/DM 1 | 6300 | 100-5 | 102-3 | 103-6 | 104-3 | 106-2 | 106-8 | 107-9 | 110-3 | 111-8 | 113-7 | 114-6 | 113-3 | 108-8 | | | | 152-0 |
| | 8000 | 99-8 | 100-8 | 102-2 | 103-9 | 106-5 | 106-6 | 108-0 | 110-2 | 111-9 | 113-3 | 113-5 | 112-1 | 107-1 | | | | 152-0 |
| | 10000 | 97-7 | 101-0 | 102-6 | 103-4 | 105-7 | 105-0 | 107-4 | 109-1 | 111-4 | 111-8 | 111-7 | 111-1 | 106-5 | | | | 151-3 |
| | 12500 | 95-6 | 98-8 | 101-0 | 102-4 | 104-7 | 104-8 | 107-0 | 107-1 | | | | | | | | | |

OVERALL MEASURED

OVERALL CALCULATED

PNDB

| | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 114-8 | 115-2 | 115-9 | 116-3 | 117-4 | 118-2 | 119-9 | 122-5 | 125-4 | 129-9 | 131-3 | 129-0 | |
| 127-1 | 128-0 | 128-7 | 129-2 | 130-4 | 130-3 | 130-6 | 132-5 | 134-9 | 137-9 | 142-5 | 142-6 | 139-1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 2 | 248 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

045941

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-----------------|
| 2 | 248 | 45 7m(150#) ADC |

SIZE
FULL-33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | (5.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO ESA | 50 | 59.0 | 64.1 | 67.4 | 69.9 | 71.2 | 73.4 | 75.4 | 76.4 | 79.9 | 85.8 | 86.5 | 84.1 | | | | |
| SIDELINE 2400. FT. | 53 | 61.0 | 67.4 | 69.5 | 72.5 | 73.5 | 74.5 | 76.2 | 78.2 | 83.2 | 88.1 | 89.0 | 85.8 | | | | |
| (731.52 ft) | 100 | 63.7 | 66.3 | 68.9 | 70.7 | 72.2 | 74.5 | 75.7 | 77.5 | 80.7 | 87.4 | 92.2 | 91.1 | 85.5 | | | |
| NFA (0. RAD/SEC) | 125 | 64.9 | 68.3 | 69.7 | 71.7 | 73.8 | 75.3 | 77.0 | 79.0 | 82.2 | 87.6 | 92.5 | 92.3 | 85.9 | | | |
| NFK (0. RAD/SEC) | 160 | 67.5 | 69.4 | 71.1 | 73.6 | 75.2 | 76.7 | 78.2 | 79.6 | 83.3 | 88.3 | 92.6 | 92.1 | 86.5 | | | |
| (0. RAD/SEC) | 200 | 71.9 | 73.8 | 74.8 | 75.8 | 77.1 | 77.9 | 79.1 | 81.6 | 84.3 | 87.9 | 92.4 | 91.4 | 86.5 | | | |
| NFD 7500. RPM | 250 | 75.7 | 76.5 | 77.2 | 78.3 | 79.3 | 80.0 | 82.5 | 84.9 | 87.8 | 91.3 | 92.1 | 85.8 | | | | |
| (785. RAD/SEC) | 315 | 81.2 | 81.1 | 80.8 | 80.1 | 78.9 | 79.5 | 79.9 | 81.9 | 85.8 | 87.9 | 91.5 | 91.6 | 84.0 | | | |
| AIRFLOW RATIO | 400 | 80.3 | 82.0 | 84.0 | 83.9 | 83.0 | 80.2 | 80.7 | 82.6 | 85.5 | 87.8 | 91.2 | 90.3 | 81.0 | | | |
| WF/WH 4.78 | 500 | 77.4 | 80.7 | 82.8 | 83.9 | 85.0 | 84.3 | 81.0 | 82.9 | 85.0 | 86.8 | 90.8 | 87.7 | 77.8 | | | |
| VEHICLE CELL 41 | 630 | 75.2 | 78.3 | 80.8 | 82.7 | 84.8 | 84.6 | 84.1 | 86.2 | 86.0 | 87.2 | 90.3 | 85.3 | 75.3 | | | |
| CONFIG VC59 | 800 | 72.6 | 76.2 | 78.4 | 79.9 | 81.6 | 82.6 | 83.6 | 84.4 | 85.4 | 86.5 | 86.8 | 82.7 | 70.9 | | | |
| LOC C41 ANECH CH | 1000 | 70.5 | 74.2 | 77.3 | 79.3 | 80.3 | 81.3 | 82.0 | 84.8 | 84.8 | 85.3 | 84.6 | 79.5 | 68.5 | | | |
| DATE 05-16-76 | 1250 | 68.3 | 72.7 | 75.7 | 77.6 | 80.1 | 80.9 | 81.8 | 83.6 | 84.0 | 84.1 | 82.4 | 76.9 | 65.0 | | | |
| RUN CONF2HIGHFLW | 1600 | 65.8 | 69.8 | 73.1 | 76.0 | 79.3 | 79.6 | 80.8 | 82.3 | 82.8 | 82.3 | 79.5 | 73.4 | 59.8 | | | |
| TAPE M02480 | 2000 | 61.6 | 68.3 | 71.8 | 74.2 | 77.3 | 76.9 | 79.0 | 79.9 | 80.8 | 79.1 | 75.6 | 69.6 | 55.0 | | | |
| FAN TIP SPEED | 2500 | 56.5 | 63.7 | 68.3 | 71.3 | 74.5 | 74.9 | 76.8 | 76.0 | 76.6 | 75.0 | 70.5 | 63.4 | 46.7 | | | |
| FT/SEC | 3150 | 50.3 | 58.4 | 62.9 | 67.7 | 70.5 | 70.7 | 72.8 | 71.5 | 72.4 | 69.1 | 63.6 | 55.4 | 36.3 | | | |
| | 4000 | 40.2 | 49.4 | 55.6 | 59.9 | 64.7 | 64.2 | 66.5 | 63.7 | 64.2 | 59.9 | 53.0 | 42.3 | 19.5 | | | |
| | 5000 | 33.4 | 44.1 | 50.6 | 55.4 | 59.5 | 59.2 | 59.8 | 59.2 | 59.9 | 54.0 | 48.6 | 33.8 | 7.8 | | | |
| | 6300 | 18.3 | 32.4 | 40.6 | 46.6 | 51.0 | 50.5 | 51.6 | 49.1 | 48.1 | 42.6 | 34.0 | 18.4 | | | | |
| | 8000 | | 12.2 | 24.5 | 30.5 | 34.7 | 35.0 | 36.2 | 32.7 | 31.7 | 25.3 | 13.3 | | | | | |
| | 10000 | | | | 7.4 | 11.3 | 12.8 | 12.4 | 10.4 | 7.4 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **2** TEST POINT **248** ACoustic RANGE **731.5m(2400ft.)** SIDELINE **248** SIZE **FULL-.33m²(513in²)**

SIZE
MODEL-145cm² 22.4in²

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 3 DAY 30 HR. 15.3

| FREQ. | 43. | 53. | 63. | 73. | 83. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | 0. | | |
|--------------------|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| | | | | | | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | (0.) | (0.) | (0.) |
| NO EGA | 50 | 87.9 | 91.7 | 93.6 | 94.0 | 95.1 | 96.4 | 97.7 | 99.0 | 100.3 | 101.6 | 102.9 | 104.2 | 105.5 | 106.8 | 108.1 | 109.4 | 0. | 0. | 0. |
| RDG. NO. 0 | 63 | 89.8 | 94.5 | 95.3 | 95.3 | 97.7 | 99.0 | 99.7 | 101.3 | 102.8 | 104.3 | 105.8 | 107.3 | 108.8 | 110.3 | 111.8 | 113.3 | 0. | 0. | 0. |
| RADIAL 150. FT. | 80 | 92.3 | 93.8 | 95.3 | 95.3 | 97.8 | 99.3 | 100.8 | 102.3 | 103.8 | 105.3 | 106.8 | 108.3 | 109.8 | 111.3 | 112.8 | 114.3 | 0. | 0. | 0. |
| (46. W) | 100 | 93.4 | 93.9 | 95.7 | 96.2 | 97.8 | 99.7 | 100.5 | 103.7 | 107.7 | 115.5 | 121.2 | 123.1 | 121.2 | 118.8 | 116.8 | 114.8 | 0. | 0. | 0. |
| VEHICLE CELL 41 | 125 | 95.0 | 96.0 | 96.2 | 98.0 | 99.1 | 101.0 | 102.4 | 105.0 | 108.8 | 115.6 | 122.0 | 124.2 | 121.8 | 119.7 | 117.7 | 115.7 | 0. | 0. | 0. |
| CONFIG NC59 | 160 | 97.7 | 97.8 | 98.8 | 99.6 | 100.4 | 101.8 | 103.4 | 106.3 | 110.5 | 117.1 | 123.1 | 125.0 | 123.0 | 120.9 | 118.9 | 116.9 | 0. | 0. | 0. |
| LOC C61 ANECH CH | 200 | 103.1 | 102.6 | 102.6 | 102.9 | 102.7 | 103.6 | 104.7 | 107.9 | 111.1 | 116.7 | 123.1 | 124.8 | 122.9 | 120.8 | 118.8 | 116.8 | 0. | 0. | 0. |
| DATE 06-16-76 | 250 | 108.9 | 106.4 | 106.5 | 106.4 | 106.1 | 105.2 | 106.3 | 109.0 | 112.7 | 116.8 | 123.2 | 125.7 | 121.9 | 119.2 | 117.2 | 115.2 | 0. | 0. | 0. |
| RUN CONF2HIGHFLW | 315 | 112.0 | 111.1 | 109.1 | 107.8 | 105.4 | 103.8 | 102.2 | 108.6 | 113.3 | 116.9 | 124.1 | 124.9 | 120.8 | 118.8 | 116.8 | 114.8 | 0. | 0. | 0. |
| TAPE K02540 | 400 | 110.3 | 110.4 | 111.5 | 111.1 | 110.5 | 107.4 | 107.2 | 109.6 | 113.9 | 116.9 | 124.1 | 122.3 | 117.9 | 115.9 | 113.9 | 111.9 | 0. | 0. | 0. |
| BAR 29.4 46 | 500 | 108.4 | 109.2 | 109.7 | 110.3 | 111.1 | 111.2 | 111.6 | 112.3 | 115.3 | 118.3 | 123.5 | 119.5 | 114.2 | 112.2 | 110.2 | 108.2 | 0. | 0. | 0. |
| (09414. W/M2) | 630 | 107.7 | 107.7 | 109.3 | 109.8 | 111.1 | 111.2 | 111.6 | 112.3 | 115.3 | 118.3 | 123.5 | 119.5 | 114.2 | 112.2 | 110.2 | 108.2 | 0. | 0. | 0. |
| TAMB 65. DEG F | 800 | 106.3 | 106.6 | 107.8 | 108.6 | 109.2 | 109.6 | 111.2 | 113.4 | 116.8 | 118.4 | 120.9 | 117.8 | 112.3 | 110.3 | 108.3 | 106.3 | 0. | 0. | 0. |
| (291. DEG K) | 1000 | 105.6 | 106.7 | 107.5 | 108.5 | 109.1 | 109.7 | 110.1 | 113.8 | 115.5 | 118.6 | 120.3 | 116.7 | 111.7 | 109.7 | 107.7 | 105.7 | 0. | 0. | 0. |
| TWET 60. DEG F | 1250 | 105.1 | 106.4 | 107.9 | 108.2 | 108.0 | 107.6 | 111.5 | 113.9 | 115.7 | 117.5 | 119.2 | 116.1 | 111.1 | 109.1 | 107.1 | 105.1 | 0. | 0. | 0. |
| (289. DEG K) | 1600 | 104.2 | 105.8 | 106.7 | 108.2 | 109.5 | 110.3 | 112.0 | 113.2 | 115.4 | 117.3 | 118.0 | 114.8 | 109.8 | 107.8 | 105.8 | 103.8 | 0. | 0. | 0. |
| 4ACT11.93 GR/M3 | 2000 | 102.9 | 105.8 | 106.1 | 108.1 | 109.9 | 109.8 | 110.9 | 113.1 | 114.9 | 116.3 | 116.9 | 113.8 | 109.8 | 107.8 | 105.8 | 103.8 | 0. | 0. | 0. |
| (.01193 KG/M3) | 2500 | 101.1 | 103.9 | 105.5 | 107.0 | 109.1 | 108.9 | 111.1 | 111.4 | 113.0 | 114.5 | 114.4 | 112.4 | 108.4 | 106.4 | 104.4 | 102.4 | 0. | 0. | 0. |
| FREQ. SHIFT | 3150 | 100.1 | 103.1 | 104.0 | 106.7 | 109.0 | 108.6 | 110.5 | 110.0 | 112.3 | 113.3 | 113.6 | 111.4 | 107.8 | 105.8 | 103.8 | 101.8 | 0. | 0. | 0. |
| JET 7 | 4000 | 98.0 | 100.6 | 103.2 | 104.3 | 108.1 | 107.4 | 109.6 | 108.4 | 110.7 | 111.3 | 113.3 | 108.6 | 105.7 | 103.7 | 101.7 | 99.7 | 0. | 0. | 0. |
| DIAMETER RATIO | 5000 | 96.1 | 100.0 | 100.6 | 102.9 | 105.6 | 105.4 | 105.9 | 106.5 | 109.4 | 109.8 | 112.6 | 105.9 | 104.5 | 102.5 | 100.5 | 98.5 | 0. | 0. | 0. |
| DF/DW 4.78 | 6300 | 95.1 | 98.9 | 101.4 | 103.1 | 105.6 | 104.8 | 106.7 | 105.8 | 108.2 | 109.3 | 112.0 | 109.1 | 104.6 | 102.6 | 100.6 | 98.6 | 0. | 0. | 0. |
| | 8000 | 92.1 | 96.5 | 100.6 | 101.7 | 103.0 | 102.7 | 104.7 | 104.1 | 107.7 | 109.6 | 112.2 | 107.0 | 104.3 | 102.3 | 100.3 | 98.3 | 0. | 0. | 0. |
| | 10000 | 88.1 | 93.3 | 97.6 | 99.1 | 99.1 | 99.2 | 100.2 | 101.0 | 104.8 | 108.9 | 111.3 | 104.9 | 100.8 | 98.8 | 96.8 | 94.8 | 0. | 0. | 0. |
| | 12500 | 85.8 | 90.6 | 96.3 | 96.7 | 97.4 | 97.6 | 97.4 | 100.0 | 103.6 | 109.5 | 112.5 | 102.7 | 97.9 | 95.9 | 93.9 | 91.9 | 0. | 0. | 0. |
| | 16000 | 85.5 | 90.9 | 98.4 | 97.5 | 97.4 | 98.2 | 99.2 | 100.4 | 106.4 | 111.7 | 119.8 | 105.1 | 101.5 | 97.5 | 93.5 | 89.5 | 0. | 0. | 0. |
| OVERALL CALCULATED | 118.6 | 118.8 | 119.5 | 120.1 | 121.1 | 121.1 | 122.0 | 123.5 | 126.2 | 129.5 | 134.4 | 131.6 | 127.7 | 124.7 | 121.7 | 118.7 | 115.7 | 0. | 0. | 0. |
| PND3 | 127.1 | 129.0 | 130.2 | 131.6 | 133.3 | 133.2 | 134.6 | 135.3 | 137.7 | 140.0 | 142.7 | 141.2 | 137.6 | 134.6 | 131.6 | 128.6 | 125.6 | 0. | 0. | 0. |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 284 ACOUSTIC RANGE 45.7m(150ft.) ARC FULL - 33m²(513in²) SIZE

PROC. DATE - MONTH 3 DAY 30 HR. 15.3

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--|--------|--------|--------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | |
| | | | | | | 90. | 100. | 110. | 120. |
| NO EGA | (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| SIDELINE 2600. F1. | 50 | 59.7 | 65.1 | 67.9 | 69.2 | 70.7 | 72.2 | 74.9 | 76.4 |
| (731.52 Hz) | 63 | 61.5 | 67.1 | 67.5 | 70.5 | 73.3 | 74.8 | 75.3 | 77.0 |
| VFA (0. RAD/SEC) | 80 | 64.0 | 67.1 | 70.2 | 70.7 | 72.7 | 74.0 | 75.5 | 79.2 |
| NFK (1. RPM) | 100 | 64.9 | 67.1 | 69.0 | 71.2 | 73.2 | 75.2 | 76.0 | 80.7 |
| NFD (0. RAD/SEC) | 125 | 66.4 | 69.1 | 71.0 | 73.3 | 74.5 | 76.5 | 77.8 | 83.0 |
| NFD 7500. RPM | 160 | 69.0 | 70.7 | 72.8 | 74.1 | 75.7 | 77.2 | 78.7 | 81.1 |
| (785. RAD/SEC) | 200 | 74.1 | 75.3 | 76.3 | 77.6 | 77.9 | 78.9 | 82.6 | 85.0 |
| AIRFLOW RATIO | 250 | 79.7 | 79.0 | 80.2 | 78.5 | 79.0 | 80.3 | 81.3 | 83.5 |
| WF/M 4.78 | 315 | 82.5 | 83.3 | 82.5 | 82.1 | 80.2 | 80.7 | 80.9 | 82.9 |
| VEHICLE CELL 41 | 400 | 80.8 | 82.2 | 84.8 | 85.1 | 85.0 | 82.0 | 81.7 | 86.8 |
| CONFIG MC59 | 500 | 77.9 | 80.7 | 82.5 | 84.4 | 86.2 | 85.8 | 83.0 | 87.3 |
| LOC 41 ANECHO CH | 630 | 76.5 | 78.6 | 81.5 | 83.0 | 84.8 | 85.1 | 85.3 | 87.5 |
| DATE 06-16-76 | 800 | 74.1 | 76.7 | 79.4 | 81.2 | 82.3 | 82.8 | 84.3 | 85.9 |
| RUN CONF2HIGHFLW | 1000 | 72.5 | 75.9 | 78.3 | 80.3 | 81.5 | 82.3 | 82.5 | 86.3 |
| TAPE X02840 | 1250 | 70.5 | 74.5 | 77.7 | 79.1 | 81.6 | 82.4 | 83.1 | 83.9 |
| FAN TIP SPEED | 2000 | 64.1 | 70.3 | 72.3 | 75.1 | 77.8 | 79.8 | 80.9 | 82.3 |
| FT/SEC | 2500 | 59.0 | 65.7 | 69.8 | 72.8 | 75.8 | 78.9 | 79.8 | 81.2 |
| | 3150 | 52.5 | 60.4 | 64.3 | 68.9 | 72.2 | 73.7 | 72.2 | 77.3 |
| | 4000 | 42.4 | 51.1 | 57.6 | 61.1 | 66.2 | 65.9 | 67.7 | 65.2 |
| | 5000 | 35.8 | 46.6 | 51.6 | 56.6 | 60.7 | 60.9 | 61.0 | 60.2 |
| | 6300 | 21.0 | 34.1 | 42.3 | 47.5 | 51.9 | 53.1 | 50.3 | 49.1 |
| | 8000 | 14.1 | 25.9 | 31.9 | 35.8 | 36.4 | 37.6 | 34.4 | 33.2 |
| | 10000 | | 1.5 | 9.6 | 13.3 | 14.5 | 14.4 | 11.5 | 8.8 |
| | 12500 | | | | | | | | 2.1 |
| OVERALL CALCULATED | 87.8 | 89.4 | 91.7 | 92.1 | 93.2 | 93.3 | 93.7 | 95.2 | 97.3 |
| PRBS | 93.0 | 95.4 | 97.9 | 99.3 | 101.0 | 101.3 | 102.2 | 103.2 | 104.6 |
| | | | | | | | | 105.8 | 105.3 |
| | | | | | | | | 106.1 | 102.5 |
| | | | | | | | | 96.3 | 97.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 2 | 284 | 731.5m(2400ft.) | FULL-.33m ² (513in ²) |

OVERALL MEASURED
OVERALL CALCULATED

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 2 | 2107 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | PWL |
| 50 | 50.9 | 53.4 | 54.9 | 55.5 | 57.3 | 58.4 | 60.1 | 62.0 | 64.7 | 67.0 | 69.2 | 71.5 | 73.8 | 76.1 | 152.4 |
| 63 | 52.3 | 56.5 | 56.0 | 56.1 | 58.1 | 60.4 | 61.3 | 61.9 | 64.3 | 67.5 | 69.6 | 71.0 | 71.5 | 71.5 | 155.5 |
| 80 | 54.3 | 56.1 | 57.8 | 58.6 | 60.2 | 61.8 | 62.0 | 62.0 | 65.6 | 69.6 | 70.9 | 71.0 | 71.8 | 71.1 | 157.4 |
| 100 | 55.4 | 56.2 | 57.9 | 58.9 | 60.3 | 62.7 | 63.8 | 66.4 | 69.2 | 70.6 | 71.9 | 71.2 | 71.2 | 71.2 | 158.1 |
| 125 | 56.5 | 58.0 | 59.0 | 60.3 | 62.6 | 64.3 | 64.9 | 67.5 | 70.1 | 70.5 | 70.6 | 71.0 | 71.7 | 71.3 | 158.0 |
| 160 | 57.7 | 59.5 | 59.8 | 61.6 | 63.2 | 65.4 | 65.7 | 68.3 | 70.8 | 71.1 | 71.3 | 71.7 | 71.7 | 71.7 | 159.0 |
| 200 | 58.3 | 60.9 | 62.4 | 63.4 | 64.2 | 65.6 | 66.5 | 68.1 | 70.3 | 70.7 | 70.9 | 71.0 | 71.7 | 70.8 | 157.4 |
| 250 | 58.7 | 60.7 | 63.5 | 63.5 | 64.8 | 66.7 | 67.6 | 68.2 | 70.5 | 70.8 | 71.0 | 71.2 | 71.2 | 70.8 | 157.9 |
| 315 | 58.5 | 61.6 | 62.1 | 63.8 | 65.4 | 67.3 | 68.2 | 68.2 | 70.6 | 70.6 | 70.9 | 71.0 | 71.0 | 70.9 | 158.2 |
| 400 | 59.3 | 61.6 | 63.6 | 64.1 | 65.7 | 67.1 | 68.0 | 68.0 | 70.6 | 70.6 | 70.9 | 71.0 | 71.0 | 70.9 | 158.3 |
| 500 | 58.2 | 61.5 | 63.0 | 64.3 | 65.4 | 67.5 | 68.9 | 68.9 | 70.7 | 70.7 | 70.8 | 71.0 | 71.3 | 70.9 | 158.2 |
| 630 | 59.2 | 61.7 | 64.0 | 65.9 | 67.1 | 68.0 | 69.9 | 69.9 | 70.3 | 70.7 | 70.8 | 71.0 | 71.7 | 70.8 | 158.6 |
| 800 | 58.8 | 61.1 | 64.1 | 64.9 | 66.2 | 68.1 | 68.1 | 68.1 | 70.4 | 70.4 | 70.6 | 71.0 | 71.0 | 70.6 | 158.4 |
| 1000 | 58.4 | 61.2 | 64.0 | 65.8 | 67.1 | 68.2 | 69.1 | 69.2 | 70.1 | 70.5 | 70.8 | 71.0 | 71.2 | 70.7 | 158.3 |
| 1250 | 58.3 | 61.4 | 64.4 | 66.2 | 68.5 | 68.6 | 69.0 | 69.0 | 70.6 | 70.6 | 70.7 | 70.9 | 71.0 | 70.6 | 158.3 |
| 1600 | 58.5 | 61.1 | 64.2 | 66.9 | 69.2 | 69.2 | 69.6 | 69.6 | 70.4 | 70.6 | 70.7 | 70.9 | 71.0 | 70.6 | 158.3 |
| 2000 | 57.7 | 63.0 | 65.9 | 67.9 | 69.9 | 69.9 | 70.9 | 70.9 | 70.4 | 70.6 | 70.6 | 70.7 | 70.9 | 70.8 | 158.3 |
| 2500 | 56.2 | 62.4 | 65.8 | 67.8 | 69.6 | 69.6 | 70.9 | 70.9 | 70.4 | 70.6 | 70.6 | 70.7 | 70.9 | 70.8 | 157.4 |
| 3150 | 55.3 | 61.6 | 64.8 | 67.2 | 69.3 | 69.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.9 | 70.4 | 70.4 | 156.8 |
| 4000 | 53.0 | 58.9 | 62.8 | 65.1 | 66.9 | 66.9 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 155.1 |
| 5000 | 51.2 | 57.5 | 61.7 | 63.2 | 64.4 | 64.4 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 153.1 |
| 6300 | 49.6 | 56.3 | 60.0 | 63.2 | 64.2 | 64.2 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 153.0 |
| 8000 | 47.7 | 53.6 | 58.3 | 60.8 | 63.1 | 63.1 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 149.8 |
| 10000 | 46.4 | 49.4 | 54.4 | 57.2 | 59.8 | 59.8 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 149.9 |
| 12500 | 45.4 | 47.7 | 53.2 | 54.6 | 56.8 | 56.8 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 149.8 |
| 16000 | 44.5 | 47.5 | 52.5 | 53.6 | 55.8 | 55.8 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 149.9 |
| OVERALL CALCULATED | 100.5 | 103.8 | 106.3 | 108.0 | 110.3 | 111.5 | 114.0 | 115.9 | 118.1 | 120.3 | 122.6 | 123.6 | 121.3 | 121.3 | 171.0 |
| PND3 | 111.2 | 116.0 | 118.9 | 121.1 | 123.7 | 124.3 | 127.0 | 128.3 | 129.9 | 130.7 | 132.0 | 133.6 | 130.9 | 130.9 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **2** TEST POINT **2/07** ACUSTIC RANGE **45.7m(150ft.)** ARC **SIZE**
FULL-.33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | |
|---|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40) | | (1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 52.7 | 56.8 | 59.4 | 60.7 | 62.9 | 64.2 | 65.7 | 67.2 | 69.2 | 73.4 | 77.0 | 76.0 | 73.6 | | | | |
| SIDELINE 2400. FT.
(731.52 M) | 63 | 54.0 | 59.9 | 50.5 | 63.2 | 66.0 | 67.0 | 67.5 | 69.5 | 72.0 | 75.9 | 79.8 | 80.0 | 75.8 | | | | |
| VFA | 100 | 56.9 | 59.3 | 62.2 | 63.7 | 65.7 | 67.5 | 67.5 | 70.7 | 73.9 | 79.2 | 82.5 | 81.1 | 76.9 | | | | |
| (1. RPM) | 125 | 57.9 | 61.1 | 63.2 | 65.7 | 68.0 | 68.8 | 70.3 | 72.5 | 75.7 | 79.6 | 82.5 | 81.6 | 76.8 | | | | |
| (0. RAD/SEC) | 160 | 59.0 | 62.4 | 63.8 | 66.4 | 68.4 | 69.9 | 70.9 | 73.6 | 76.8 | 81.0 | 82.6 | 80.6 | 74.5 | | | | |
| VFK | 200 | 59.9 | 63.6 | 66.3 | 68.1 | 69.4 | 70.9 | 71.6 | 74.8 | 77.8 | 80.7 | 81.7 | 78.6 | 73.0 | | | | |
| (0. RAD/SEC) | 250 | 59.5 | 63.2 | 67.2 | 69.0 | 69.5 | 71.8 | 72.5 | 75.7 | 78.9 | 81.3 | 81.0 | 77.4 | 72.3 | | | | |
| VFD 7500. RPM | 315 | 59.0 | 63.8 | 65.5 | 68.1 | 70.2 | 72.2 | 72.9 | 74.9 | 79.5 | 81.4 | 81.0 | 78.8 | 72.5 | | | | |
| (785. RAD/SEC) | 400 | 59.3 | 63.5 | 66.8 | 68.1 | 70.2 | 71.7 | 73.5 | 76.6 | 79.3 | 80.8 | 80.7 | 78.5 | 70.5 | | | | |
| AIRFLOW RATIO | 500 | 57.7 | 62.9 | 65.8 | 67.9 | 70.5 | 71.8 | 73.0 | 76.2 | 79.8 | 79.5 | 79.0 | 77.7 | 69.8 | | | | |
| WFA/M 6.78 | 630 | 58.0 | 62.6 | 66.3 | 68.7 | 70.8 | 71.8 | 73.6 | 76.7 | 79.5 | 79.5 | 78.8 | 77.3 | 68.3 | | | | |
| VEHICLE | 800 | 56.6 | 61.2 | 65.7 | 67.4 | 69.3 | 71.3 | 74.1 | 76.9 | 78.7 | 78.8 | 77.5 | 75.5 | 65.1 | | | | |
| CONFIG | 1000 | 53.2 | 60.4 | 64.8 | 67.6 | 69.5 | 71.8 | 73.5 | 76.8 | 77.3 | 77.6 | 76.8 | 73.2 | 63.2 | | | | |
| -OC C41 ANECH CH | 1250 | 53.8 | 59.5 | 64.2 | 67.1 | 70.1 | 72.4 | 74.6 | 75.9 | 76.5 | 75.6 | 75.2 | 71.2 | 59.5 | | | | |
| DATE 06-16-76 | 1600 | 52.0 | 57.5 | 62.6 | 66.5 | 69.4 | 72.1 | 75.1 | 75.8 | 74.8 | 74.3 | 72.5 | 68.1 | 56.0 | | | | |
| RUN CONFUELDEPN | 2000 | 48.9 | 57.6 | 62.6 | 65.9 | 69.8 | 70.6 | 74.0 | 74.4 | 72.8 | 71.3 | 68.9 | 64.8 | 51.5 | | | | |
| TAPE X21070 | 2500 | 44.0 | 54.2 | 60.1 | 63.6 | 66.3 | 67.9 | 71.0 | 71.2 | 69.3 | 67.0 | 63.7 | 59.4 | 44.5 | | | | |
| FAN TIP SPEED | 3150 | 37.8 | 48.9 | 55.1 | 59.4 | 63.5 | 67.9 | 66.8 | 65.5 | 65.1 | 61.6 | 57.4 | 51.9 | 33.4 | | | | |
| FT/SEC | 4000 | 27.4 | 39.4 | 47.2 | 51.9 | 58.0 | 57.7 | 60.5 | 57.5 | 57.2 | 52.4 | 46.8 | 38.6 | 16.3 | | | | |
| | 5000 | 20.9 | 34.2 | 40.7 | 46.9 | 51.6 | 53.6 | 52.5 | 52.7 | 46.8 | 40.9 | 28.9 | 5.6 | | | | | |
| | 6300 | 5.8 | 21.5 | 30.9 | 37.6 | 42.5 | 42.8 | 43.1 | 42.9 | 41.2 | 33.6 | 25.0 | 12.7 | | | | | |
| | 8000 | | 1.2 | 13.8 | 21.0 | 25.9 | 27.5 | 29.7 | 26.5 | 23.8 | 16.4 | 3.1 | | | | | | |
| | 10000 | | | | | 2.4 | 5.1 | 5.5 | 3.1 | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.4 | 73.8 | 77.0 | 79.2 | 81.5 | 83.2 | 85.0 | 87.3 | 89.5 | 91.3 | 92.4 | 90.7 | 85.1 | | | | |
| PND8 | | 74.0 | 80.1 | 84.5 | 87.6 | 90.8 | 92.1 | 94.6 | 95.8 | 96.2 | 96.7 | 96.5 | 94.0 | 85.9 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 2 | 2107 | 731.5m(2400ft.) | SIDELINE
FULL-33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 30 HR. 15.3
 ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 DEGREES (AND RADIAN)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | |
|--------------------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|-------|
| | | 40. | 50. | 50. | 50. | 70. | 30. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| NO E5A | | 50 | 30.7 | 32.9 | 34.2 | 34.7 | 36.1 | 37.9 | 39.8 | 41.2 | 42.8 | 44.5 | 46.2 | 47.9 | 49.6 | | | | | | 151.5 |
| RDG. NO. | | 63 | 81.8 | 85.0 | 88.8 | 89.2 | 90.4 | 92.8 | 95.0 | 97.6 | 100.6 | 103.6 | 106.5 | 108.5 | 110.5 | | | | | | 153.6 |
| RADIAL 150. FT. | | 80 | 83.3 | 85.3 | 87.3 | 87.6 | 89.5 | 90.8 | 92.3 | 94.4 | 97.6 | 102.6 | 107.4 | 109.3 | 110.8 | | | | | | 154.3 |
| (45. M) | | 100 | 84.4 | 85.4 | 87.4 | 88.7 | 89.8 | 91.9 | 92.3 | 95.2 | 98.9 | 104.5 | 107.7 | 108.1 | 108.4 | | | | | | 154.6 |
| VEHICLE | CELL41 | 125 | 85.0 | 87.0 | 88.3 | 89.5 | 91.6 | 92.8 | 94.1 | 96.5 | 100.8 | 105.1 | 107.5 | 107.2 | 105.3 | | | | | | 154.6 |
| CONFIS | NC59 | 163 | 86.2 | 88.5 | 89.8 | 90.8 | 92.9 | 93.8 | 95.2 | 97.6 | 102.8 | 107.3 | 108.3 | 107.0 | 104.5 | | | | | | 155.6 |
| LOC C41 AVECH CH | | 200 | 87.8 | 89.6 | 91.6 | 92.4 | 93.7 | 94.9 | 96.2 | 99.1 | 103.6 | 107.7 | 108.4 | 106.6 | 104.1 | | | | | | 155.6 |
| DATE 06-16-76 | | 250 | 87.7 | 89.9 | 92.7 | 93.2 | 94.6 | 96.2 | 97.1 | 100.5 | 105.2 | 108.0 | 108.7 | 107.9 | 104.9 | | | | | | 156.4 |
| RUN CONFZELDEPN | | 315 | 88.3 | 91.1 | 91.8 | 93.6 | 94.7 | 96.8 | 97.9 | 100.8 | 105.1 | 108.4 | 109.6 | 108.5 | 105.6 | | | | | | 157.1 |
| TAPE | X21080 | 400 | 88.1 | 90.9 | 93.6 | 93.9 | 95.5 | 97.4 | 99.2 | 102.1 | 106.6 | 107.7 | 109.6 | 108.8 | 105.4 | | | | | | 157.2 |
| BAR 29.5 M3 | | 500 | 88.4 | 91.5 | 93.0 | 94.3 | 96.4 | 97.7 | 99.1 | 102.5 | 107.2 | 107.6 | 109.3 | 108.9 | 106.2 | | | | | | 157.4 |
| (99448. V/M2) | | 630 | 88.9 | 91.7 | 94.0 | 95.0 | 97.1 | 98.7 | 100.1 | 104.0 | 108.0 | 110.3 | 109.9 | 106.2 | | | | | | | 158.3 |
| TAMB 64. DEG F | | 800 | 88.3 | 91.6 | 93.8 | 95.1 | 96.9 | 98.6 | 100.4 | 104.9 | 107.1 | 108.9 | 109.9 | 105.4 | | | | | | | 158.2 |
| (291. DEG K) | | 1000 | 88.6 | 91.4 | 94.0 | 96.0 | 97.6 | 99.2 | 101.1 | 105.0 | 107.2 | 108.3 | 110.5 | 108.7 | 105.2 | | | | | | 158.2 |
| TWET 50. DEG F | | 1250 | 88.3 | 91.9 | 94.2 | 95.4 | 98.8 | 100.4 | 102.5 | 105.4 | 107.4 | 107.8 | 110.0 | 107.4 | 104.9 | | | | | | 158.1 |
| (288. DEG C) | | 1600 | 89.0 | 92.1 | 94.2 | 96.7 | 99.0 | 100.8 | 104.0 | 105.9 | 107.2 | 107.8 | 109.5 | 107.1 | 105.3 | | | | | | 158.2 |
| 1ACT11.78 GM/M3 | | 2000 | 88.6 | 94.8 | 95.1 | 97.3 | 99.9 | 100.8 | 103.4 | 105.8 | 106.6 | 106.8 | 108.4 | 107.8 | 105.3 | | | | | | 158.0 |
| (.01178 G/M3) | | 2500 | 87.4 | 93.4 | 95.5 | 97.8 | 99.3 | 100.2 | 103.1 | 104.4 | 105.8 | 105.2 | 106.4 | 106.2 | 104.7 | | | | | | 156.9 |
| FREQ. SHIFT | | 3150 | 86.8 | 92.6 | 94.8 | 98.2 | 100.0 | 100.3 | 103.0 | 103.3 | 105.3 | 103.8 | 105.6 | 105.1 | 103.6 | | | | | | 156.5 |
| JET 7 | | 4000 | 84.3 | 89.1 | 92.7 | 95.8 | 99.6 | 98.4 | 102.1 | 100.6 | 103.2 | 100.8 | 103.1 | 103.3 | 102.2 | | | | | | 154.9 |
| DIAMETER RATIO | | 5000 | 82.1 | 87.5 | 89.9 | 92.7 | 96.6 | 96.6 | 98.1 | 99.3 | 102.1 | 99.6 | 102.4 | 100.2 | 100.2 | | | | | | 153.2 |
| DP/DH 4.78 | | 6300 | 81.1 | 86.7 | 89.7 | 92.6 | 96.6 | 95.8 | 98.7 | 98.1 | 100.4 | 98.3 | 101.0 | 101.6 | 98.8 | | | | | | 153.0 |
| | | 8000 | 78.1 | 84.0 | 87.9 | 90.7 | 92.7 | 93.3 | 96.0 | 95.6 | 98.2 | 97.6 | 99.6 | 99.7 | 97.0 | | | | | | 151.8 |
| | | 10000 | 74.3 | 79.5 | 84.6 | 86.8 | 87.6 | 89.0 | 91.0 | 91.7 | 95.6 | 95.2 | 97.5 | 96.4 | 93.2 | | | | | | 149.8 |
| | | 12500 | 72.3 | 76.6 | 83.1 | 84.2 | 84.9 | 86.6 | 87.9 | 89.7 | 94.1 | 95.0 | 97.3 | 94.2 | 90.9 | | | | | | 150.3 |
| | | 16000 | 73.2 | 77.4 | 84.1 | 83.4 | 83.8 | 86.2 | 89.6 | 88.9 | 94.1 | 96.4 | 97.0 | 94.8 | 89.7 | | | | | | 153.6 |
| OVERALL CALCULATED | | 100.4 | 104.0 | 106.0 | 107.9 | 110.1 | 111.1 | 113.4 | 115.6 | 118.5 | 119.8 | 121.6 | 121.0 | 118.8 | | | | | | | 170.1 |
| PWR | | 111.9 | 116.5 | 118.8 | 121.3 | 123.4 | 124.1 | 126.5 | 127.8 | 130.2 | 130.3 | 132.1 | 131.5 | 129.4 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 2 | 2108 | 45.7m(150ft.) ARC | FULL-33m ² (513in ²) |

PRC. DATE - MONTH 5 DAY 30 MR. 15.3

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | |
| FREQ. | (0.78) | (0.57) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.) | (3.) | (3.) |
| NO EGA | 50 | 52.5 | 56.3 | 58.7 | 59.9 | 61.7 | 63.7 | 65.4 | 66.4 | 67.9 | 71.4 | 76.0 | 75.5 | 72.6 | | |
| SIDELINE 2420. FT. | 63 | 53.5 | 58.4 | 59.2 | 62.0 | 64.8 | 65.8 | 66.0 | 68.0 | 70.5 | 73.9 | 77.3 | 78.0 | 74.5 | | |
| (731.52 ft.) | 80 | 55.0 | 58.6 | 61.7 | 62.7 | 65.0 | 66.5 | 66.7 | 69.5 | 71.9 | 75.9 | 79.0 | 78.6 | 73.6 | | |
| VFA (1. RPM | 100 | 55.9 | 58.6 | 61.7 | 63.7 | 65.2 | 67.5 | 67.7 | 70.2 | 73.2 | 77.7 | 79.2 | 77.3 | 72.0 | | |
| (0. RAD/SEC) | 125 | 56.4 | 60.1 | 62.5 | 64.5 | 67.0 | 68.3 | 69.5 | 71.5 | 75.0 | 78.1 | 79.0 | 76.3 | 70.6 | | |
| NFK (1. RPM | 160 | 57.5 | 61.4 | 63.5 | 65.6 | 68.2 | 69.2 | 70.4 | 72.4 | 75.8 | 80.3 | 79.6 | 75.8 | 69.5 | | |
| (0. RAD/SEC) | 200 | 58.9 | 62.3 | 65.5 | 67.1 | 68.9 | 70.1 | 71.4 | 73.8 | 77.5 | 80.4 | 79.4 | 75.1 | 68.7 | | |
| VFD (7500. RPM | 250 | 58.5 | 62.5 | 66.6 | 67.7 | 69.5 | 71.3 | 72.0 | 75.0 | 78.9 | 80.6 | 79.5 | 76.1 | 69.1 | | |
| (785. RAD/SEC) | 315 | 58.7 | 63.3 | 65.3 | 67.9 | 69.4 | 71.7 | 72.7 | 75.1 | 79.5 | 80.6 | 80.0 | 76.3 | 69.0 | | |
| AIRFLOW RATIO | 400 | 58.1 | 62.7 | 66.8 | 67.9 | 70.0 | 72.0 | 73.7 | 76.1 | 79.8 | 79.6 | 79.7 | 76.0 | 68.0 | | |
| WF/WH 4.78 | 500 | 57.9 | 62.9 | 65.8 | 67.9 | 70.5 | 72.0 | 73.2 | 76.2 | 80.0 | 79.0 | 78.8 | 75.5 | 67.8 | | |
| VEHICLE CELL 41 | 630 | 57.7 | 62.6 | 66.3 | 68.2 | 70.8 | 72.6 | 73.8 | 77.2 | 80.3 | 79.5 | 79.1 | 75.6 | 66.5 | | |
| CONFIG NC59 | 800 | 56.6 | 61.7 | 65.4 | 67.7 | 70.1 | 71.8 | 73.6 | 77.4 | 78.7 | 79.0 | 77.8 | 74.0 | 63.4 | | |
| LOC C41 AVECH CH | 1000 | 55.5 | 60.7 | 64.8 | 67.8 | 70.0 | 71.3 | 73.5 | 76.8 | 78.0 | 77.6 | 77.3 | 71.7 | 61.7 | | |
| DATE 06-15-76 | 1250 | 53.8 | 60.0 | 64.0 | 66.4 | 70.3 | 72.1 | 74.1 | 76.4 | 77.2 | 75.9 | 75.4 | 68.7 | 58.8 | | |
| RUN CONF2VELDEPN | 1600 | 52.5 | 58.6 | 62.6 | 66.3 | 69.3 | 71.4 | 74.3 | 75.5 | 75.6 | 74.3 | 73.0 | 65.9 | 55.5 | | |
| TAPE X21080 | 2000 | 49.9 | 59.3 | 61.8 | 65.4 | 68.8 | 69.9 | 72.3 | 73.9 | 73.3 | 71.3 | 69.6 | 63.6 | 51.0 | | |
| FAN TIP SPEED | 2500 | 45.2 | 55.2 | 59.8 | 63.6 | 66.0 | 67.1 | 69.8 | 70.2 | 70.0 | 67.0 | 64.2 | 57.6 | 44.0 | | |
| FT/SEC | 3150 | 39.3 | 49.9 | 55.1 | 60.4 | 63.2 | 63.9 | 66.2 | 65.5 | 65.6 | 61.1 | 58.1 | 49.6 | 32.6 | | |
| | 4000 | 29.1 | 39.6 | 47.1 | 52.6 | 57.7 | 57.0 | 60.2 | 57.4 | 57.6 | 51.3 | 47.5 | 37.3 | 15.7 | | |
| | 5000 | 21.8 | 34.1 | 40.9 | 46.3 | 51.8 | 52.2 | 53.3 | 52.9 | 53.1 | 46.2 | 42.1 | 28.0 | 4.8 | | |
| | 6300 | 7.0 | 21.9 | 30.6 | 37.0 | 42.9 | 42.7 | 45.1 | 42.5 | 41.4 | 33.5 | 26.9 | 11.6 | | | |
| | 8000 | | 1.6 | 13.4 | 20.9 | 25.6 | 27.0 | 28.9 | 25.9 | 23.7 | 15.2 | 4.5 | | | | |
| | 10000 | | | | | 1.8 | 4.2 | 5.1 | 2.3 | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 16000 | 68.8 | 73.4 | 76.7 | 78.9 | 81.3 | 83.0 | 84.5 | 87.1 | 89.6 | 90.5 | 90.6 | 87.7 | 81.8 | | |
| PNOB | | 73.6 | 80.7 | 84.1 | 87.3 | 90.3 | 91.6 | 93.7 | 95.4 | 96.6 | 96.0 | 95.5 | 91.4 | 92.9 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2108 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 2 | 2110 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE

| PROC. DATE - MONTH 8 DAY 30 HR. 15.3 | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | |
| LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
| 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. | | | | | | | | | | | | | | | |
| FREQ. 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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
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REPRODUCIBILITY OF THIS
ORIGINAL PAGE IS POOR

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | |
|---|--|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | |
| | | 60. | 53. | 50. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | C. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | |
| FREQ. | 40-70 (0.37) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (3.0) (3.0) (3.0). | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| NO EGA | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| SIDELINE 2430. FT. | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| (731.52 M) | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| NFA | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| (0. RAD/SEC) | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| NFK | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| (0. RAD/SEC) | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| VFD 7500. RPM | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| (785. RAD/SEC) | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| AIRFLOW RATIO | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| W/F/M 4.78 | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| VEHICLE | CELL 41 | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| CONFIG | WC59 | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| LOC | C41 AVECH CM | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| GATE | 06-16-76 | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| RUM | CONFVELDEPN | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| TAPE | X21100 | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| FAN TIP SPEED | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| FT/SEC | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| OVERALL - CALCULATED | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |
| PNDB | | 50 | 53.5 | 57.6 | 59.9 | 61.2 | 63.4 | 64.7 | 66.7 | 67.9 | 69.2 | 73.4 | 77.3 | 77.2 | 74.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 2 | 2110 | 731.5m(2400ft.) | FULL-33m ² (5131m ²) |

PROC. DATE - MONTH 8 DAY 30 HR. 15.1
F 70 PERCENT REL. HUM. DAY - JENGT5

MODEL SOUND

PRESSURE LEVELS (59. DEG. FROM INLET IN DEGREES (AND RADIAN))

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|-----|
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | |
| 63 | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | |

RDG. NO. C.

RADIAL 40. FT.

VEHICLE CELL41

CONFIG NC59

LOC C41 ANECH (H

DATE 06-18-76

RUN CONF2VELDEPN

TAPE X21120

BAR 29.5 HG

(99468. N/M2)

TAPB 64. DEG F

(291. DEG K)

TWET 59. DEG F

(228. DEG K)

HACT11-63 GM/M3

(0.1163 KG/M3)

FREQ. SHIFT

JET

DIAMETER RATIO

DF/DH 1

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT ACOUSTIC RANGE

2112

12.2m(40ft.) ARC

SIZE

MODEL-145cm²(22.4in²)

OVERALL MEASURED

OVERALL CALCULATED

PND8 101.6 104.2 105.7 106.9 108.6 109.3 111.1 113.6 116.7 119.3 121.3 123.4 122.6

PND8 114.6 116.8 118.0 119.0 120.5 121.4 123.1 126.2 129.4 131.8 133.7 135.7 134.2

REPRODUCIBILITY OF THIS
ORIGINAL PAGE IS

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 2 | 212 | 45.7m(150ft.) ARC |

SIZE
FULL-33m²(513in²)

PROC. DATE - MONTH 8 DAY 30 HR. 15.3

| | | FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| | | (0.70) | (1.05) | (1.40) | (1.75) | (2.10) | (2.45) | (2.80) | (3.15) | (3.50) | (3.85) | (4.20) | (4.55) | (4.90) | (5.25) | (5.60) | (5.95) | (6.30) | (6.65) | (7.00) | (7.35) |
| | | 50 | 54.7 | 58.8 | 61.7 | 62.7 | 64.7 | 65.7 | 68.2 | 69.7 | 71.4 | 72.5 | 73.5 | 74.7 | 75.7 | 76.8 | 77.4 | 78.2 | 78.8 | 79.1 | 79.5 |
| | | 53 | 56.3 | 59.9 | 61.3 | 61.7 | 63.0 | 63.5 | 65.0 | 65.5 | 67.0 | 67.5 | 68.7 | 69.7 | 70.7 | 71.4 | 72.5 | 73.5 | 74.7 | 75.7 | 76.8 |
| | | 57 | 58.2 | 61.3 | 64.4 | 65.5 | 67.5 | 68.7 | 69.7 | 70.7 | 71.4 | 72.5 | 73.5 | 74.7 | 75.7 | 76.8 | 77.4 | 78.2 | 78.8 | 79.1 | 79.5 |
| | | 100 | 58.7 | 61.3 | 63.9 | 66.0 | 68.0 | 69.7 | 70.7 | 71.4 | 72.5 | 73.5 | 74.7 | 75.7 | 76.8 | 77.4 | 78.2 | 78.8 | 79.1 | 79.5 | 79.8 |
| | | 125 | 59.3 | 63.6 | 65.0 | 67.2 | 69.3 | 71.0 | 72.3 | 73.2 | 74.7 | 75.7 | 76.8 | 77.4 | 78.2 | 78.8 | 79.1 | 79.5 | 79.8 | 79.9 | 80.0 |
| | | 160 | 61.7 | 64.4 | 66.5 | 68.6 | 70.9 | 71.4 | 72.3 | 73.2 | 74.7 | 75.7 | 76.8 | 77.4 | 78.2 | 78.8 | 79.1 | 79.5 | 79.8 | 79.9 | 80.0 |
| | | 200 | 63.6 | 66.1 | 68.5 | 70.1 | 71.4 | 72.3 | 73.2 | 74.7 | 75.7 | 76.8 | 77.4 | 78.2 | 78.8 | 79.1 | 79.5 | 79.8 | 79.9 | 80.0 | 80.0 |
| | | 250 | 62.5 | 66.0 | 68.2 | 69.7 | 72.0 | 73.6 | 74.5 | 76.7 | 77.9 | 79.3 | 80.5 | 81.9 | 82.5 | 83.1 | 83.3 | 83.5 | 83.7 | 83.8 | 84.0 |
| | | 315 | 62.7 | 66.3 | 67.5 | 70.1 | 72.2 | 73.5 | 74.7 | 76.6 | 77.9 | 79.3 | 80.5 | 81.9 | 82.5 | 83.1 | 83.3 | 83.5 | 83.7 | 83.8 | 84.0 |
| | | 400 | 63.3 | 66.0 | 69.0 | 70.4 | 72.7 | 73.2 | 75.2 | 77.9 | 79.9 | 81.0 | 80.8 | 81.6 | 82.2 | 82.5 | 83.1 | 83.3 | 83.5 | 83.7 | 83.8 |
| | | 500 | 62.7 | 66.2 | 69.0 | 70.4 | 72.2 | 73.5 | 75.0 | 77.9 | 79.9 | 81.0 | 80.8 | 81.6 | 82.2 | 82.5 | 83.1 | 83.3 | 83.5 | 83.7 | 83.8 |
| | | 630 | 62.2 | 66.1 | 68.5 | 70.5 | 72.6 | 73.3 | 75.1 | 78.0 | 79.9 | 81.2 | 80.6 | 81.2 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| | | 800 | 60.4 | 64.7 | 67.9 | 69.4 | 71.3 | 73.1 | 74.8 | 77.7 | 79.2 | 80.3 | 79.5 | 78.6 | 77.9 | 77.0 | 76.0 | 74.7 | 73.5 | 72.9 | 72.9 |
| | | 1000 | 59.7 | 64.7 | 67.6 | 69.6 | 71.0 | 72.3 | 73.5 | 77.1 | 78.1 | 79.1 | 78.6 | 77.9 | 76.4 | 75.8 | 75.3 | 74.7 | 74.1 | 73.7 | 73.7 |
| | | 1250 | 57.8 | 64.5 | 68.0 | 69.6 | 70.3 | 72.6 | 74.3 | 76.1 | 77.7 | 79.1 | 78.6 | 77.9 | 76.4 | 75.8 | 75.3 | 74.7 | 74.1 | 73.7 | 73.7 |
| | | 1600 | 55.0 | 61.6 | 65.8 | 68.5 | 70.6 | 71.4 | 73.3 | 75.0 | 75.8 | 76.0 | 75.3 | 74.7 | 73.7 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| | | 2000 | 50.9 | 59.8 | 63.8 | 67.2 | 70.0 | 69.9 | 71.8 | 73.2 | 73.6 | 72.3 | 70.4 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| | | 2500 | 45.8 | 55.2 | 60.3 | 64.1 | 66.5 | 67.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| | | 3150 | 38.8 | 49.1 | 55.4 | 60.2 | 63.5 | 63.7 | 65.5 | 64.7 | 65.6 | 62.1 | 58.6 | 51.1 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| | | 4000 | 28.4 | 39.9 | 47.4 | 51.9 | 57.2 | 57.0 | 59.5 | 57.5 | 57.2 | 52.9 | 47.8 | 39.0 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| | | 5000 | 21.9 | 35.1 | 42.1 | 47.4 | 52.0 | 52.5 | 52.8 | 52.2 | 52.9 | 46.5 | 42.6 | 29.6 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| | | 6300 | 7.5 | 23.2 | 32.6 | 38.3 | 42.5 | 42.8 | 44.4 | 42.3 | 41.1 | 33.8 | 27.5 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 |
| | | 8000 | 2.9 | 15.5 | 22.5 | 26.7 | 27.5 | 29.2 | 29.2 | 25.5 | 23.7 | 16.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 |
| | | 10000 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | 12500 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | 16000 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | OVERALL CALCULATED | 72.8 | 76.6 | 79.3 | 81.1 | 83.2 | 84.4 | 85.8 | 88.2 | 90.7 | 92.6 | 93.1 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| | | PNOB | 77.5 | 82.7 | 86.3 | 89.1 | 91.7 | 92.3 | 94.0 | 95.7 | 97.3 | 97.9 | 97.1 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT

2

2/1/2

ACOUSTIC RANGE

731.5m(2400ft.) SIDELINE

SIZE

FULL-.33m²(513in²)

FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE

PROC. DATE - MONTH 8 DAY 30 HR. 15.3
DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS

| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) (0.) (0.) |
| NO ESA | 50 | 84.4 | 88.2 | 89.4 | 89.2 | 90.3 | 91.9 | 94.6 | 96.7 | 98.4 | 102.8 | 110.2 | 112.9 | 113.9 |
| RDG. NO. 0. | 63 | 86.0 | 90.5 | 89.3 | 91.1 | 93.9 | 94.3 | 95.7 | 97.8 | 100.8 | 105.6 | 112.1 | 116.0 | 115.8 |
| RADIAL 150. FT. | 80 | 88.0 | 89.3 | 91.8 | 91.4 | 93.2 | 94.3 | 96.0 | 99.1 | 101.8 | 108.6 | 114.9 | 117.3 | 116.6 |
| (45. M) | 100 | 88.4 | 89.7 | 91.4 | 92.2 | 93.5 | 95.2 | 96.3 | 99.4 | 102.9 | 110.0 | 116.7 | 118.6 | 116.7 |
| VEHICLE | 125 | 90.0 | 92.0 | 92.5 | 93.8 | 95.6 | 96.5 | 98.4 | 101.0 | 104.5 | 110.6 | 117.3 | 119.5 | 117.8 |
| CONFIS | 160 | 92.2 | 93.3 | 94.0 | 95.1 | 96.7 | 98.0 | 99.7 | 102.3 | 105.0 | 112.1 | 118.1 | 120.0 | 118.5 |
| NCS9 | 200 | 96.6 | 97.4 | 97.9 | 97.9 | 98.5 | 99.6 | 100.7 | 103.4 | 106.6 | 111.2 | 117.4 | 119.8 | 119.1 |
| LOC C41 ANECH CH | 250 | 95.4 | 96.9 | 98.0 | 98.2 | 99.3 | 100.7 | 102.3 | 104.7 | 107.7 | 111.5 | 116.7 | 120.4 | 118.4 |
| DATE 06-16-76 | 315 | 101.0 | 100.8 | 98.5 | 98.6 | 99.2 | 101.3 | 101.9 | 103.8 | 108.3 | 111.1 | 116.3 | 120.3 | 118.3 |
| RUN CONF2VELDEPN | 400 | 107.3 | 105.1 | 104.6 | 101.4 | 100.2 | 101.1 | 102.5 | 105.1 | 108.1 | 110.7 | 115.4 | 119.3 | 115.9 |
| TAPE | 500 | 108.4 | 108.0 | 107.7 | 106.8 | 104.9 | 101.7 | 102.6 | 105.5 | 108.3 | 110.3 | 114.5 | 117.4 | 114.2 |
| BAR 29.5 45 | 630 | 105.7 | 106.5 | 107.7 | 108.8 | 108.9 | 106.0 | 104.1 | 106.3 | 109.3 | 110.6 | 116.0 | 116.4 | 112.2 |
| (99448. W/42) | 800 | 103.0 | 103.8 | 104.8 | 105.4 | 107.2 | 107.6 | 106.4 | 107.1 | 108.6 | 109.9 | 114.1 | 114.5 | 110.3 |
| TAMB 64. DEG F | 1000 | 101.4 | 102.2 | 103.2 | 104.8 | 104.8 | 106.2 | 107.1 | 108.0 | 108.7 | 109.8 | 114.0 | 113.4 | 109.4 |
| (291. DEG K) | 1250 | 99.6 | 101.1 | 102.7 | 103.2 | 105.0 | 106.1 | 107.5 | 108.4 | 109.4 | 109.3 | 113.0 | 112.6 | 108.9 |
| TWET 59. DEG F | 1600 | 98.3 | 99.3 | 100.9 | 103.2 | 105.0 | 105.8 | 107.5 | 109.7 | 109.7 | 109.3 | 111.7 | 112.1 | 108.3 |
| (288. DEG K) | 2000 | 96.2 | 99.3 | 100.6 | 101.8 | 104.2 | 104.3 | 106.7 | 108.6 | 110.1 | 108.5 | 110.2 | 111.0 | 107.5 |
| FACT11.63 GM/M3 | 2500 | 93.4 | 96.4 | 98.8 | 101.3 | 103.1 | 102.9 | 106.1 | 106.9 | 108.1 | 106.7 | 108.4 | 109.2 | 106.4 |
| (.01163 KG/M3) | 3150 | 92.1 | 95.3 | 97.3 | 100.2 | 102.7 | 102.3 | 105.2 | 108.3 | 107.0 | 105.3 | 107.2 | 108.4 | 105.6 |
| FREQ. SHIFT | 4000 | 89.0 | 92.8 | 95.7 | 97.4 | 101.9 | 100.7 | 103.9 | 102.9 | 104.8 | 102.3 | 104.7 | 106.6 | 104.2 |
| JET | 5000 | 86.7 | 91.5 | 93.2 | 95.4 | 99.2 | 98.4 | 99.4 | 100.8 | 103.4 | 100.4 | 104.1 | 102.9 | 103.0 |
| DIAMETER RATIO | 6300 | 85.9 | 90.5 | 93.5 | 95.4 | 98.9 | 97.6 | 100.3 | 100.1 | 101.5 | 99.1 | 102.8 | 105.2 | 102.4 |
| DF/DH 4.76 | 8000 | 83.7 | 88.3 | 92.0 | 94.0 | 96.0 | 95.8 | 97.5 | 98.2 | 100.0 | 98.7 | 102.2 | 103.0 | 99.6 |
| | 10000 | 80.4 | 85.6 | 89.6 | 90.6 | 91.2 | 92.1 | 92.8 | 93.6 | 96.7 | 96.2 | 99.8 | 99.0 | 96.6 |
| | 12500 | 79.9 | 83.7 | 88.9 | 89.0 | 89.0 | 89.4 | 90.0 | 91.8 | 94.4 | 95.4 | 100.6 | 97.0 | 94.0 |
| | 16000 | 82.8 | 86.2 | 92.5 | 90.8 | 89.7 | 90.8 | 91.5 | 91.7 | 95.2 | 96.8 | 102.4 | 99.1 | 95.8 |
| OVERALL CALCULATED | 113.9 | 114.0 | 114.7 | 115.2 | 116.1 | 116.0 | 117.2 | 118.7 | 120.6 | 122.6 | 127.7 | 130.0 | 128.1 | 128.1 |
| PND8 | 122.0 | 123.1 | 124.1 | 125.6 | 127.6 | 127.4 | 129.4 | 130.7 | 132.3 | 132.3 | 135.7 | 137.3 | 134.9 | 134.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2/1/3 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m(513in²)

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 45. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) (0.) (0.) |
| NO EGA | | 53 | 56.2 | 61.6 | 63.9 | 64.4 | 65.9 | 67.7 | 70.2 | 71.9 | 72.9 | 76.2 | 82.0 | 82.5 | 80.1 |
| SIDELINE 2400. FT. | | 63 | 57.8 | 63.9 | 63.5 | 66.2 | 69.5 | 70.0 | 71.3 | 73.0 | 75.2 | 78.9 | 83.8 | 85.5 | 81.5 |
| (731.52 ft) | | 80 | 59.7 | 62.6 | 66.2 | 66.5 | 68.7 | 70.0 | 71.5 | 74.2 | 75.2 | 81.9 | 86.5 | 86.9 | 82.4 |
| VFA (1. RPM) | | 100 | 59.9 | 62.8 | 65.7 | 67.2 | 69.0 | 70.7 | 71.7 | 74.5 | 77.2 | 83.2 | 88.2 | 87.3 | 82.3 |
| (0. RAD/SEC) | | 125 | 61.4 | 65.1 | 66.7 | 68.7 | 71.0 | 72.0 | 73.8 | 76.0 | 78.7 | 83.6 | 88.7 | 88.5 | 83.1 |
| VFK (1. RPM) | | 160 | 63.5 | 66.2 | 68.1 | 69.9 | 71.9 | 73.4 | 74.9 | 77.1 | 80.1 | 85.0 | 89.3 | 88.8 | 83.5 |
| (0. RAD/SEC) | | 200 | 67.6 | 70.1 | 71.8 | 72.6 | 73.6 | 74.9 | 75.9 | 78.1 | 80.5 | 83.9 | 88.4 | 88.4 | 83.7 |
| MFD 7500. RPM | | 250 | 66.2 | 69.5 | 71.7 | 72.7 | 74.3 | 75.8 | 77.3 | 79.2 | 81.4 | 84.1 | 87.5 | 88.6 | 82.6 |
| (785. RAD/SEC) | | 315 | 71.5 | 73.1 | 72.0 | 72.9 | 73.9 | 76.2 | 76.7 | 78.1 | 81.8 | 83.4 | 86.8 | 88.1 | 81.8 |
| AIRFLOW RATIO | | 400 | 77.3 | 77.0 | 77.8 | 75.4 | 74.7 | 75.7 | 77.0 | 79.1 | 81.3 | 82.6 | 85.4 | 86.5 | 78.5 |
| WF/WM 4.78 | | 500 | 77.9 | 79.4 | 80.5 | 80.4 | 79.0 | 76.0 | 76.7 | 79.2 | 81.5 | 81.8 | 84.0 | 84.0 | 75.8 |
| VEHICLE CELL41 | | 630 | 74.5 | 77.3 | 80.0 | 82.0 | 82.6 | 79.8 | 77.8 | 79.5 | 81.8 | 81.5 | 84.8 | 82.1 | 72.5 |
| CONFIG NC59 | | 800 | 70.9 | 73.9 | 76.4 | 77.9 | 80.3 | 80.8 | 79.6 | 79.7 | 80.2 | 80.0 | 82.0 | 79.0 | 68.9 |
| LOC C41 ANECHO | | 1000 | 68.2 | 71.4 | 74.1 | 76.6 | 77.3 | 78.8 | 79.5 | 79.8 | 79.6 | 79.1 | 80.8 | 76.5 | 66.0 |
| DATE 06-16-76 | | 1250 | 65.0 | 69.2 | 72.5 | 74.1 | 76.6 | 77.9 | 79.1 | 79.4 | 79.2 | 77.4 | 78.4 | 73.9 | 62.8 |
| RUN CONF2VELDEPN | | 1600 | 61.8 | 65.8 | 69.3 | 72.8 | 75.3 | 76.4 | 77.8 | 79.3 | 78.1 | 75.8 | 75.2 | 70.9 | 58.5 |
| TAPE X21130 | | 2000 | 57.4 | 63.8 | 67.3 | 69.9 | 73.0 | 73.4 | 75.5 | 76.7 | 76.8 | 73.1 | 71.4 | 66.8 | 53.3 |
| FAN TIP SPEED | | 2500 | 51.3 | 58.2 | 63.1 | 67.1 | 69.8 | 69.9 | 72.8 | 72.7 | 72.3 | 68.5 | 66.2 | 60.6 | 45.7 |
| FT/SEC | | 3150 | 44.5 | 52.6 | 57.6 | 62.4 | 66.0 | 65.9 | 68.5 | 67.4 | 62.6 | 59.6 | 52.9 | 34.6 | |
| | | 4000 | 33.4 | 43.4 | 50.1 | 54.2 | 60.0 | 59.2 | 62.0 | 59.7 | 59.2 | 52.9 | 49.0 | 40.5 | 17.7 |
| | | 5000 | 26.4 | 38.1 | 44.1 | 49.1 | 54.3 | 54.0 | 54.5 | 54.5 | 54.4 | 47.0 | 43.8 | 30.8 | 7.6 |
| | | 6300 | 11.8 | 25.7 | 34.4 | 39.8 | 45.2 | 44.5 | 46.6 | 44.6 | 42.4 | 34.3 | 28.7 | 15.2 | |
| | | 8000 | 5.9 | 17.5 | 24.3 | 28.9 | 29.5 | 29.5 | 30.4 | 28.5 | 25.5 | 16.3 | 7.1 | | |
| | | 10000 | | | 1.2 | 5.3 | 7.3 | 6.9 | 4.1 | 0.6 | | | | | |

| | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|
| OVERALL CALCULATED | 83.0 | 84.8 | 86.5 | 87.5 | 88.4 | 88.4 | 89.0 | 90.3 | 91.9 | 94.0 | 97.9 | 97.9 | 92.4 |
| PNDE | 88.3 | 90.9 | 92.9 | 94.7 | 96.1 | 96.2 | 97.5 | 98.7 | 99.3 | 98.8 | 101.4 | 100.9 | 93.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2113 SIDELINE 731.5m(2400ft.) SIZE FULL 33m(513in²)

4C. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. PUL

FREQ. (-0.70)(-0.87)(-1.05)(-1.22)(-1.40)(-1.57)(-1.75)(-1.92)(-2.09)(-2.27)(-2.44)(-2.62)(-2.79)(0.)(0.)(0.)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| RDG. NO. | NO ECA | 63 | 80 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 |
| RADIAL (40. FT.) | CELL 41 | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| VEHICLE | NC59 | 75.6 | 79.6 | 81.1 | 83.2 | 85.2 | 86.6 | 86.5 | 87.9 | 86.4 | 85.7 | 90.0 | 93.6 | 95.3 | 96.6 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| LOC C41 ANECH CH | DATE 06-16-76 | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| RUN CONF2VELDEPN | X21140 | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| TAPE | 29.5 HG | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| BAR | (99448. N/M2) | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| TAMB | 63. DEG F | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| TWET | 59. DEG K | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| MACT11.42 G/M3 | (.01142 KG/M3) | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| FREQ. SHIFT | JET | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| DIAMETER RATIO | DF/DH 1 | 75.9 | 85.4 | 83.2 | 84.5 | 86.3 | 86.2 | 86.3 | 87.2 | 87.9 | 86.4 | 90.0 | 93.4 | 92.6 | 95.2 | 130.6 | 130.8 | 132.1 | 136.0 | 138.2 | 141.0 | 142.3 | 142.5 | 142.0 | 142.4 | 143.0 | 143.7 | 143.8 | 144.9 | 144.9 | 144.9 | 143.6 | 141.7 | 139.8 | 138.6 | 136.0 | 135.9 | 139.4 | 156.9 | |
| OVERALL MEASURED | | 98.6 | 102.3 | 103.9 | 105.5 | 107.5 | 108.8 | 111.2 | 113.4 | 116.2 | 118.1 | 118.9 | 119.4 | 117.8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 111.3 | 114.2 | 115.7 | 117.1 | 119.0 | 120.4 | 122.3 | 125.5 | 128.9 | 130.7 | 131.5 | 131.8 | 129.6 | | | | | | | | | | | | | | | | | | | | | | | | | | |

OVERALL MEASURED

OVERALL CALCULATED

PNOB

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 2 | 2114 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

| | PROC. DATE - MONTH 3 DAY 30 HR. 15.3 | | | | | | | | | | | |
|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | |
| | INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| FREQ. | (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) |
| 50 | 80.7 | 83.7 | 84.2 | 85.0 | 86.6 | 88.2 | 90.1 | 91.5 | 93.9 | 99.0 | 104.5 | 106.2 |
| 63 | 82.0 | 86.0 | 87.8 | 88.4 | 90.0 | 91.3 | 91.7 | 94.6 | 98.3 | 104.4 | 108.9 | 110.3 |
| 80 | 84.3 | 86.1 | 87.8 | 88.4 | 90.0 | 91.3 | 91.7 | 94.6 | 98.3 | 104.4 | 108.9 | 110.3 |
| 100 | 84.9 | 85.7 | 87.7 | 88.7 | 90.5 | 92.7 | 93.0 | 95.4 | 99.9 | 105.2 | 108.7 | 110.4 |
| 125 | 85.5 | 87.3 | 88.3 | 89.3 | 91.9 | 92.8 | 94.6 | 97.3 | 101.3 | 105.6 | 108.0 | 109.5 |
| 160 | 86.7 | 88.8 | 89.8 | 91.3 | 93.2 | 94.3 | 95.7 | 98.1 | 103.5 | 107.1 | 108.8 | 108.7 |
| 200 | 88.6 | 90.6 | 91.9 | 92.6 | 94.0 | 95.6 | 96.7 | 99.9 | 104.4 | 107.9 | 108.4 | 107.8 |
| 250 | 88.4 | 90.7 | 93.5 | 93.0 | 94.6 | 96.4 | 97.1 | 100.7 | 105.7 | 108.0 | 108.2 | 108.7 |
| 315 | 88.5 | 91.6 | 91.3 | 93.6 | 95.4 | 97.6 | 98.2 | 100.8 | 105.3 | 108.4 | 109.1 | 109.3 |
| 400 | 89.1 | 91.6 | 93.5 | 94.1 | 95.7 | 97.4 | 99.2 | 102.4 | 106.9 | 108.4 | 108.6 | 109.3 |
| 500 | 89.2 | 92.0 | 93.0 | 94.5 | 96.6 | 97.7 | 99.1 | 102.5 | 107.7 | 108.6 | 108.5 | 108.7 |
| 630 | 89.9 | 92.5 | 94.0 | 95.8 | 97.6 | 98.5 | 100.1 | 104.3 | 108.5 | 109.3 | 109.8 | 109.9 |
| 800 | 89.5 | 92.6 | 93.8 | 95.1 | 96.7 | 98.8 | 100.9 | 104.9 | 107.6 | 108.9 | 109.1 | 109.5 |
| 1000 | 89.6 | 92.7 | 94.5 | 96.3 | 97.8 | 99.7 | 101.6 | 105.0 | 107.2 | 109.6 | 109.8 | 109.2 |
| 1250 | 89.1 | 92.6 | 94.9 | 96.4 | 98.8 | 100.9 | 103.0 | 105.7 | 107.4 | 109.0 | 109.2 | 108.4 |
| 1600 | 89.0 | 93.8 | 95.2 | 96.9 | 99.7 | 101.8 | 105.0 | 106.4 | 107.2 | 108.8 | 108.0 | 107.1 |
| 2000 | 88.9 | 95.0 | 96.6 | 98.1 | 100.4 | 101.0 | 104.7 | 106.6 | 107.4 | 108.3 | 107.4 | 107.3 |
| 2500 | 88.2 | 94.9 | 96.6 | 98.0 | 99.6 | 100.9 | 104.6 | 104.9 | 105.6 | 106.5 | 106.1 | 106.0 |
| 3150 | 86.3 | 93.9 | 95.8 | 98.5 | 100.0 | 100.6 | 104.0 | 103.8 | 105.8 | 105.3 | 104.9 | 104.7 |
| 4000 | 84.3 | 90.4 | 93.8 | 96.1 | 99.4 | 99.2 | 102.6 | 101.2 | 103.0 | 102.8 | 103.7 | 102.6 |
| 5000 | 81.9 | 88.5 | 91.2 | 94.0 | 97.2 | 97.2 | 98.4 | 99.6 | 102.2 | 101.4 | 102.0 | 99.0 |
| 6300 | 81.1 | 88.0 | 91.0 | 94.2 | 96.9 | 96.9 | 99.1 | 98.9 | 100.8 | 100.1 | 99.2 | 100.2 |
| 8000 | 77.7 | 85.1 | 89.3 | 92.0 | 94.1 | 94.3 | 96.8 | 96.5 | 99.0 | 99.5 | 96.8 | 98.3 |
| 10000 | 73.2 | 80.6 | 85.9 | 87.9 | 89.0 | 90.1 | 91.9 | 92.6 | 96.0 | 96.5 | 92.9 | 94.1 |
| 12500 | 69.9 | 77.7 | 84.2 | 85.1 | 85.6 | 87.2 | 88.3 | 90.6 | 93.7 | 96.4 | 91.1 | 91.0 |
| 16000 | 67.8 | 78.2 | 85.2 | 86.3 | 84.2 | 86.8 | 90.5 | 90.8 | 94.0 | 97.4 | 89.4 | 92.2 |
| OVERALL CALCULATED | 100.9 | 104.9 | 106.7 | 108.4 | 110.4 | 111.6 | 114.1 | 116.0 | 118.8 | 120.5 | 121.2 | 121.6 |
| PND | 112.2 | 117.7 | 119.5 | 121.8 | 123.7 | 124.5 | 127.3 | 128.2 | 130.6 | 131.4 | 131.4 | 129.7 |

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2114 ACUSTIC RANGE FULL-.33m (513in) SIZE 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 30 HR. 15.1
 MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| FREQ. (C. 70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0 | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2/15 ACOUSTIC RANGE 12.2m(40ft.) ARC MODEL-145cm²(22.4in²) SIZE

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 2 | 2115 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------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| ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) | (4.19) | (4.37) | (4.54) | (4.72) | (4.89) | (5.07) | (5.24) | (5.42) | (5.59) | (5.77) | (5.94) | (6.12) | (6.29) | (6.47) | (6.64) | (6.82) | (6.99) | (7.17) | (7.34) | (7.52) | (7.69) | (7.87) | (8.04) | (8.22) | (8.39) | (8.57) | (8.74) | (8.92) | (9.09) | (9.27) | (9.44) | (9.62) | (9.79) | (9.97) | (10.14) | (10.32) | (10.49) | (10.67) | (10.84) | (11.02) | (11.19) | (11.37) | (11.54) | (11.72) | (11.89) | (12.07) | (12.24) | (12.42) | (12.59) | (12.77) | (12.94) | (13.12) | (13.29) | (13.47) | (13.64) | (13.82) | (13.99) | (14.17) | (14.34) | (14.52) | (14.69) | (14.87) | (15.04) | (15.22) | (15.39) | (15.57) | (15.74) | (15.92) | (16.09) | (16.27) | (16.44) | (16.62) | (16.79) | (16.97) | (17.14) | (17.32) | (17.49) | (17.67) | (17.84) | (18.02) | (18.19) | (18.37) | (18.54) | (18.72) | (18.89) | (19.07) | (19.24) | (19.42) | (19.59) | (19.77) | (19.94) | (20.12) | (20.29) | (20.47) | (20.64) | (20.82) | (20.99) | (21.17) | (21.34) | (21.52) | (21.69) | (21.87) | (22.04) | (22.22) | (22.39) | (22.57) | (22.74) | (22.92) | (23.09) | (23.27) | (23.44) | (23.62) | (23.79) | (23.97) | (24.14) | (24.32) | (24.49) | (24.67) | (24.84) | (25.02) | (25.19) | (25.37) | (25.54) | (25.72) | (25.89) | (26.07) | (26.24) | (26.42) | (26.59) | (26.77) | (26.94) | (27.12) | (27.29) | (27.47) | (27.64) | (27.82) | (27.99) | (28.17) | (28.34) | (28.52) | (28.69) | (28.87) | (29.04) | (29.22) | (29.39) | (29.57) | (29.74) | (29.92) | (30.09) | (30.27) | (30.44) | (30.62) | (30.79) | (30.97) | (31.14) | (31.32) | (31.49) | (31.67) | (31.84) | (32.02) | (32.19) | (32.37) | (32.54) | (32.72) | (32.89) | (33.07) | (33.24) | (33.42) | (33.59) | (33.77) | (33.94) | (34.12) | (34.29) | (34.47) | (34.64) | (34.82) | (34.99) | (35.17) | (35.34) | (35.52) | (35.69) | (35.87) | (36.04) | (36.22) | (36.39) | (36.57) | (36.74) | (36.92) | (37.09) | (37.27) | (37.44) | (37.62) | (37.79) | (37.97) | (38.14) | (38.32) | (38.49) | (38.67) | (38.84) | (39.02) | (39.19) | (39.37) | (39.54) | (39.72) | (39.89) | (40.07) | (40.24) | (40.42) | (40.59) | (40.77) | (40.94) | (41.12) | (41.29) | (41.47) | (41.64) | (41.82) | (41.99) | (42.17) | (42.34) | (42.52) | (42.69) | (42.87) | (43.04) | (43.22) | (43.39) | (43.57) | (43.74) | (43.92) | (44.09) | (44.27) | (44.44) | (44.62) | (44.79) | (44.97) | (45.14) | (45.32) | (45.49) | (45.67) | (45.84) | (46.02) | (46.19) | (46.37) | (46.54) | (46.72) | (46.89) | (47.07) | (47.24) | (47.42) | (47.59) | (47.77) | (47.94) | (48.12) | (48.29) | (48.47) | (48.64) | (48.82) | (48.99) | (49.17) | (49.34) | (49.52) | (49.69) | (49.87) | (50.04) | (50.22) | (50.39) | (50.57) | (50.74) | (50.92) | (51.09) | (51.27) | (51.44) | (51.62) | (51.79) | (51.97) | (52.14) | (52.32) | (52.49) | (52.67) | (52.84) | (53.02) | (53.19) | (53.37) | (53.54) | (53.72) | (53.89) | (54.07) | (54.24) | (54.42) | (54.59) | (54.77) | (54.94) | (55.12) | (55.29) | (55.47) | (55.64) | (55.82) | (55.99) | (56.17) | (56.34) | (56.52) | (56.69) | (56.87) | (57.04) | (57.22) | (57.39) | (57.57) | (57.74) | (57.92) | (58.09) | (58.27) | (58.44) | (58.62) | (58.79) | (58.97) | (59.14) | (59.32) | (59.49) | (59.67) | (59.84) | (60.02) | (60.19) | (60.37) | (60.54) | (60.72) | (60.89) | (61.07) | (61.24) | (61.42) | (61.59) | (61.77) | (61.94) | (62.12) | (62.29) | (62.47) | (62.64) | (62.82) | (62.99) | (63.17) | (63.34) | (63.52) | (63.69) | (63.87) | (64.04) | (64.22) | (64.39) | (64.57) | (64.74) | (64.92) | (65.09) | (65.27) | (65.44) | (65.62) | (65.79) | (65.97) | (66.14) | (66.32) | (66.49) | (66.67) | (66.84) | (67.02) | (67.19) | (67.37) | (67.54) | (67.72) | (67.89) | (68.07) | (68.24) | (68.42) | (68.59) | (68.77) | (68.94) | (69.12) | (69.29) | (69.47) | (69.64) | (69.82) | (69.99) | (70.17) | (70.34) | (70.52) | (70.69) | (70.87) | (71.04) | (71.22) | (71.39) | (71.57) | (71.74) | (71.92) | (72.09) | (72.27) | (72.44) | (72.62) | (72.79) | (72.97) | (73.14) | (73.32) | (73.49) | (73.67) | (73.84) | (74.02) | (74.19) | (74.37) | (74.54) | (74.72) | (74.89) | (75.07) | (75.24) | (75.42) | (75.59) | (75.77) | (75.94) | (76.12) | (76.29) | (76.47) | (76.64) | (76.82) | (76.99) | (77.17) | (77.34) | (77.52) | (77.69) | (77.87) | (78.04) | (78.22) | (78.39) | (78.57) | (78.74) | (78.92) | (79.09) | (79.27) | (79.44) | (79.62) | (79.79) | (79.97) | (80.14) | (80.32) | (80.49) | (80.67) | (80.84) | (81.02) | (81.19) | (81.37) | (81.54) | (81.72) | (81.89) | (82.07) | (82.24) | (82.42) | (82.59) | (82.77) | (82.94) | (83.12) | (83.29) | (83.47) | (83.64) | (83.82) | (83.99) | (84.17) | (84.34) | (84.52) | (84.69) | (84.87) | (85.04) | (85.22) | (85.39) | (85.57) | (85.74) | (85.92) | (86.09) | (86.27) | (86.44) | (86.62) | (86.79) | (86.97) | (87.14) | (87.32) | (87.49) | (87.67) | (87.84) | (88.02) | (88.19) | (88.37) | (88.54) | (88.72) | (88.89) | (89.07) | (89.24) | (89.42) | (89.59) | (89.77) | (89.94) | (90.12) | (90.29) | (90.47) | (90.64) | (90.82) | (90.99) | (91.17) | (91.34) | (91.52) | (91.69) | (91.87) | (92.04) | (92.22) | (92.39) | (92.57) | (92.74) | (92.92) | (93.09) | (93.27) | (93.44) | (93.62) | (93.79) | (93.97) | (94.14) | (94.32) | (94.49) | (94.67) | (94.84) | (95.02) | (95.19) | (95.37) | (95.54) | (95.72) | (95.89) | (96.07) | (96.24) | (96.42) | (96.59) | (96.77) | (96.94) | (97.12) | (97.29) | (97.47) | (97.64) | (97.82) | (97.99) | (98.17) | (98.34) | (98.52) | (98.69) | (98.87) | (99.04) | (99.22) | (99.39) | (99.57) | (99.74) | (99.92) | (100.09) | (100.27) | (100.44) | (100.62) | (100.79) | (100.97) | (101.14) | (101.32) | (101.49) | (101.67) | (101.84) | (102.02) | (102.19) | (102.37) | (102.54) | (102.72) | (102.89) | (103.07) | (103.24) | (103.42) | (103.59) | (103.77) | (103.94) | (104.12) | (104.29) | (104.47) | (104.64) | (104.82) | (104.99) | (105.17) | (105.34) | (105.52) | (105.69) | (105.87) | (106.04) | (106.22) | (106.39) | (106.57) | (106.74) | (106.92) | (107.09) | (107.27) | (107.44) | (107.62) | (107.79) | (107.97) | (108.14) | (108.32) | (108.49) | (108.67) | (108.84) | (109.02) | (109.19) | (109.37) | (109.54) | (109.72) | (109.89) | (110.07) | (110.24) | (110.42) | (110.59) | (110.77) | (110.94) | (111.12) | (111.29) | (111.47) | (111.64) | (111.82) | (111.99) | (112.17) | (112.34) | (112.52) | (112.69) | (112.87) | (113.04) | (113.22) | (113.39) | (113.57) | (113.74) | (113.92) | (114.09) | (114.27) | (114.44) | (114.62) | (114.79) | (114.97) | (115.14) | (115.32) | (115.49) | (115.67) | (115.84) | (116.02) | (116.19) | (116.37) | (116.54) | (116.72) | (116.89) | (117.07) | (117.24) | (117.42) | (117.59) | (117.77) | (117.94) | (118.12) | (118.29) | (118.47) | (118.64) | (118.82) | (118.99) | (119.17) | (119.34) | (119.52) | (119.69) | (119.87) | (120.04) | (120.22) | (120.39) | (120.57) | (120.74) | (120.92) | (121.09) | (121.27) | (121.44) | (121.62) | (121.79) | (121.97) | (122.14) | (122.32) | (122.49) | (122.67) | (122.84) | (123.02) | (123.19) | (123.37) | (123.54) | (123.72) | (123.89) | (124.07) | (124.24) | (124.42) | (124.59) | (124.77) | (124.94) | (125.12) | (125.29) | (125.47) | (125.64) | (125.82) | (125.99) | (126.17) | (126.34) | (126.52) | (126.69) | (126.87) | (127.04) | (127.22) | (127.39) | (127.57) | (127.74) | (127.92) | (128.09) | (128.27) | (128.44) | (128.62) | (128.79) | (128.97) | (129.14) | (129.32) | (129.49) | (129.67) | (129.84) | (130.02) | (130.19) | (130.37) | (130.54) | (130.72) | (130.89) | (131.07) | (131.24) | (131.42) | (131.59) | (131.77) | (131.94) | (132.12) | (132.29) | (132.47) | (132.64) | (132.82) | (132.99) | (133.17) | (133.34) | (133.52) | (133.69) | (133.87) | (134.04) | (134.22) | (134.39) | (134.57) | (134.74) | (134.92) | (135.09) | (135.27) | (135.44) | (135.62) | (135.79) | (135.97) | (136.14) | (136.32) | (136.49) | (136.67) | (136.84) | (137.02) | (137.19) | (137.37) | (137.54) | (137.72) | (137.89) | (138.07) | (138.24) | (138.42) | (138.59) | (138.77) | (138.94) | (139.12) | (139.29) | (139.47) | (139.64) | (139.82) | (139.99) | (140.17) | (140.34) | (140.52) | (140.69) | (140.87) | (141.04) | (141.22) | (141.39) | (141.57) | (141.74) | (141.92) | (142.09) | (142.27) | (142.44) | (142.62) | (142.79) | (142.97) | (143.14) | (143.32) | (143.49) | (143.67) | (143.84) | (144.02) | (144.19) | (144.37) | (144.54) | (144.72) | (144.89) | (145.07) | (145.24) | (145.42) | (145.59) | (145.77) | (145.94) | (146.12) | (146.29) | (146.47) | (146.64) | (146.82) | (146.99) | (147.17) | (147.34) | (147.52) | (147.69) | (147.87) | (148.04) | (148.22) | (148.39) | (148.57) | (148.74) | (148.92) | (149.09) | (149.27) | (149.44) | (149.62) | (149.79) | (149.97) | (150.14) | (150.32) | (150.49) | (150.67) | (150.84) | (151.02) | (151.19) | (151.37) | (151.54) | (151.72) | (151.89) | (152.07) | (152.24) | (152.42) | (152.59) | (152.77) | (152.94) | (153.12) | (153.29) | (153.47) | (153.64) | (153.82) | (153.99) | (154.17) | (154.34) | (154.52) | (154.69) | (154.87) | (155.04) | (155.22) | (155.39) | (155.57) | (155.74) | (155.92) | (156.09) | (156.27) | (156.44) | (156.62) | (156.79) | (156.97) | (157.14) | (157.32) | (157.49) | (157.67) | (157.84) | (158.02) | (158.19) | (158.37) | (158.54) | (158.72) | (158.89) | (159.07) | (159.24) | (159.42) | (159.59) | (159.77) | (159.94) | (160.12) | (160.29) | (160.47) | (160.64) | (160.82) | (160.99) | (161.17) | (161.34) | (161.52) | (161.69) | (161.87) | (162.04) | (162.22) | (162.39) | (162.57) | (162.74) | (162.92) | (163.09) | (163.27) | (163.44) | (163.62) | (163.79) | (163.97) | (164.14) | (164.32) | (164.49) | (164.67) | (164.84) | (165.02) | (165.19) | (165.37) | (165.54) | (165.72) | (165.89) | (166.07) | (166.24) | (166.42) | (166.59) | (166.77) | (166.94) | (167.12) | (167.29) | (167.47) | (167.64) | (167.82) | (167.99) | (168.17) | (168.34) | (168.52) | (168.69) | (168.87) | (169.04) | (169.22) | (169.39) | (169.57) | (169.74) | (169.92) | (170.09) | (170.27) | (170.44) | (170.62) | (170.79) | (170.97) | (171.14) | (171.32) | (171.49) | (171.67) | (171.84) | (172.02) | (172.19) | (172.37) | (172.54) | (172.72) | (172.89) | (173.07) | (173.24) | (173.42) | (173.59) | (173.77) | (173.94) | (174.12) | (174.29) | (174.47) | (174.64) | (174.82) | (174.99) | (175.17) | (175.34) | (175.52) | (175.69) | (175.87) | (176.04) | (176.22) | (176.39) | (176.57) | (176.74) | (176.92) | (177.09) | (177.27) | (177.44) | (177.62) | (177.79) | (177.97) | (178.14) | (178.32) | (178.49) | (178.67) | (178.84) | (179.02) | (179.19) | (179.37) | (179.54) | (179.72) | (179.89) | (180.07) | (180.24) | (180.42) | (180.59) | (180.77) | (180.94) | (181.12) | (181.29) | (181.47) | (181.64) | (181.82) | (181.99) | (182.17) | (182.34) | (182.52) | (182.69) | (182.87) | (183.04) | (183.22) | (183.39) | (183.57) | (183.74) | (183.92) | (184.09) | (184.27) | (184.44) | (184.62) | (184.79) | (184.97) | (185.14) | (185.32) | (185.49) | (185.67) | (185.84) | (186.02) | (186.19) | (186.37) | (186.54) | (186.72) | (186.89) | (187.07) | (187.24) | (187.42) | (187.59) | (187.77) | (187.94) | (188.12) | (188.29) | (188.47) | (188.64) | (188.82) | (188.99) | (189.17) | (189.34) | (189.52) | (189.69) | (189.87) | (190.04) | (190.22) | (190.39) | (190.57) | (190.74) | (190.92) | (191.09) | (191.27) | (191.44) | (191.62) | (191.79) | (191.97) | (192.14) | (192.32) | (192.49) | (192.67) | (192.84) | (193.02) | (193.19) | (193.37) | (193.54) | (193.72) |

PROC. DATE - MONTH 8 DAY 30 HR. 15.1

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

FREQ. (C.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.45)(3.6)(3.75)(3.9)(4.05)(4.2)(4.35)(4.5)(4.65)(4.8)(5.0)

| RDG. NO. | NO. EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PUL |
|--------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100 | 79.1 | 88.2 | 86.2 | 88.0 | 89.5 | 89.2 | 89.3 | 90.5 | 91.2 | 89.6 | 89.2 | 97.4 | 96.9 | 98.9 | 98.9 | 98.9 | 98.9 | 134.0 |
| 125 | 77.8 | 82.6 | 84.1 | 86.4 | 88.2 | 89.6 | 90.0 | 91.2 | 89.6 | 89.2 | 97.4 | 96.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 134.5 |
| 160 | 78.4 | 80.9 | 84.7 | 85.3 | 85.7 | 85.7 | 86.0 | 87.7 | 89.4 | 95.0 | 99.2 | 100.4 | 102.7 | 106.8 | 106.8 | 106.8 | 106.8 | 135.6 |
| 200 | 81.3 | 81.5 | 82.8 | 85.1 | 85.9 | 87.0 | 87.7 | 90.1 | 93.8 | 97.1 | 101.3 | 105.3 | 106.8 | 108.3 | 108.3 | 108.3 | 108.3 | 139.1 |
| 250 | 80.6 | 83.6 | 85.6 | 84.9 | 86.7 | 87.8 | 90.5 | 91.9 | 94.1 | 99.2 | 105.4 | 107.8 | 108.3 | 109.9 | 109.9 | 109.9 | 109.9 | 141.5 |
| 315 | 81.7 | 85.9 | 84.7 | 87.5 | 90.1 | 90.7 | 91.6 | 93.7 | 96.4 | 101.5 | 107.0 | 110.1 | 109.9 | 110.5 | 110.5 | 110.5 | 110.5 | 143.5 |
| 400 | 84.2 | 85.7 | 88.0 | 88.0 | 89.8 | 91.0 | 91.8 | 95.3 | 98.2 | 103.8 | 109.2 | 111.4 | 110.5 | 110.5 | 110.5 | 110.5 | 110.5 | 144.9 |
| 500 | 84.8 | 86.0 | 87.5 | 88.6 | 89.8 | 91.5 | 92.7 | 95.3 | 99.5 | 105.6 | 110.1 | 111.7 | 110.5 | 110.5 | 110.5 | 110.5 | 110.5 | 145.5 |
| 630 | 86.1 | 87.9 | 88.4 | 89.7 | 91.5 | 92.4 | 94.3 | 96.9 | 100.6 | 106.2 | 109.4 | 111.6 | 110.6 | 110.6 | 110.6 | 110.6 | 110.6 | 145.5 |
| 800 | 87.1 | 89.2 | 89.7 | 91.2 | 92.3 | 93.9 | 95.3 | 98.2 | 102.2 | 107.0 | 109.2 | 110.4 | 110.2 | 110.2 | 110.2 | 110.2 | 110.2 | 146.3 |
| 1000 | 89.0 | 90.5 | 91.7 | 92.3 | 93.6 | 95.0 | 96.1 | 99.5 | 102.7 | 106.6 | 108.3 | 108.4 | 109.0 | 109.0 | 109.0 | 109.0 | 109.0 | 146.6 |
| 1250 | 89.0 | 90.6 | 92.3 | 92.9 | 94.2 | 95.8 | 96.7 | 100.4 | 104.1 | 106.6 | 107.6 | 109.0 | 108.3 | 108.3 | 108.3 | 108.3 | 108.3 | 146.7 |
| 1600 | 89.1 | 91.4 | 91.9 | 93.2 | 95.3 | 96.2 | 97.3 | 99.7 | 104.9 | 106.8 | 107.7 | 109.4 | 108.9 | 108.9 | 108.9 | 108.9 | 108.9 | 145.1 |
| 2000 | 89.9 | 91.2 | 93.2 | 93.8 | 94.8 | 96.5 | 98.1 | 101.5 | 105.7 | 107.1 | 107.5 | 109.7 | 108.7 | 108.7 | 108.7 | 108.7 | 108.7 | 145.4 |
| 2500 | 90.3 | 91.8 | 92.6 | 94.1 | 95.2 | 96.6 | 98.0 | 101.4 | 105.8 | 106.7 | 107.6 | 110.0 | 109.1 | 109.1 | 109.1 | 109.1 | 109.1 | 145.5 |
| 3150 | 91.0 | 92.0 | 93.6 | 94.8 | 96.4 | 96.5 | 98.7 | 102.3 | 106.3 | 107.6 | 109.1 | 110.8 | 108.8 | 108.8 | 108.8 | 108.8 | 108.8 | 146.4 |
| 4000 | 90.3 | 91.6 | 93.1 | 93.9 | 95.7 | 96.8 | 98.7 | 102.6 | 105.6 | 107.4 | 108.6 | 110.3 | 106.8 | 106.8 | 106.8 | 106.8 | 106.8 | 145.5 |
| 5000 | 90.1 | 92.2 | 94.2 | 95.3 | 95.6 | 97.2 | 99.1 | 103.0 | 105.2 | 106.6 | 109.0 | 108.7 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 145.6 |
| 6300 | 89.5 | 93.3 | 95.6 | 95.3 | 96.9 | 98.0 | 100.2 | 102.8 | 105.6 | 106.2 | 108.4 | 107.8 | 106.0 | 106.0 | 106.0 | 106.0 | 106.0 | 145.5 |
| 8000 | 88.8 | 93.3 | 95.9 | 96.2 | 97.2 | 97.8 | 100.2 | 102.7 | 105.2 | 106.3 | 107.2 | 107.6 | 104.3 | 104.3 | 104.3 | 104.3 | 104.3 | 145.0 |
| 10000 | 87.7 | 93.8 | 96.4 | 97.6 | 98.4 | 97.5 | 99.7 | 102.4 | 104.9 | 104.3 | 106.0 | 107.1 | 103.8 | 103.8 | 103.8 | 103.8 | 103.8 | 145.0 |
| 12500 | 85.8 | 91.6 | 94.7 | 96.9 | 98.0 | 97.8 | 99.2 | 100.6 | 102.7 | 103.2 | 104.3 | 104.6 | 102.1 | 102.1 | 102.1 | 102.1 | 102.1 | 143.4 |
| 16000 | 83.7 | 89.5 | 92.7 | 96.1 | 97.6 | 96.7 | 99.4 | 99.1 | 101.4 | 101.2 | 102.3 | 103.3 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 143.4 |
| 20000 | 80.2 | 86.0 | 89.7 | 92.0 | 96.0 | 95.1 | 97.8 | 95.8 | 99.2 | 97.5 | 96.6 | 101.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 141.8 |
| 25000 | 77.1 | 83.4 | 86.0 | 89.1 | 92.0 | 91.8 | 92.8 | 93.2 | 96.6 | 94.2 | 97.3 | 95.8 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 140.1 |
| 31500 | 74.2 | 81.0 | 84.7 | 87.2 | 90.4 | 89.1 | 91.8 | 91.2 | 93.5 | 91.4 | 94.1 | 95.7 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 140.1 |
| 40000 | 68.6 | 75.5 | 81.2 | 83.7 | 85.2 | 85.3 | 87.2 | 86.7 | 89.5 | 89.1 | 90.9 | 91.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 139.4 |
| 50000 | 62.0 | 68.8 | 73.8 | 76.6 | 77.4 | 78.0 | 78.7 | 79.5 | 82.6 | 83.4 | 86.0 | 84.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 137.0 |
| 63000 | 55.6 | 61.4 | 67.3 | 69.2 | 69.7 | 71.1 | 71.2 | 73.0 | 76.1 | 78.1 | 81.1 | 77.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 137.2 |
| 80000 | 50.1 | 55.8 | 62.6 | 62.2 | 61.6 | 66.7 | 67.4 | 65.8 | 70.6 | 73.4 | 77.0 | 72.3 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 141.6 |
| OVERALL MEASURED | 101.1 | 104.0 | 105.9 | 107.1 | 108.6 | 109.1 | 110.9 | 113.4 | 116.7 | 118.7 | 120.9 | 122.4 | 121.4 | 121.4 | 121.4 | 121.4 | 121.4 | 158.4 |
| OVERALL CALCULATED | 114.2 | 116.1 | 117.7 | 118.7 | 120.1 | 120.9 | 122.6 | 125.9 | 129.4 | 131.3 | 133.2 | 134.7 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 158.4 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2 // 6 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-145cm²(22.4in²)

PROC. DATE - MONTH 8 DAY 30 HR. 15.3
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. | 10010. | 10020. | 10030. | 10040. | 10050. | 10060. | 10070. | 10080. | 10090. | 10100. | 10110. | 10120. | 10130. | 10140. | 10150. | 10160. | 10170. | 10180. | 10190. | 10200. | 10210. | 10220. | 10230. | 10240. | 10250. | 10260. | 10270. | 10280. | 10290. | 10300. | 10310. | 10320. | 10330. | 10340. | 10350. | 10360. | 10370. | 10380. | 10390. | 10400. | 10410. | 10420. | 10430. | 10440. | 10450. | 10460. | 10470. | 10480. | 10490. | 10500. | 10510. | 10520. | 10530. | 10540. | 10550. | 10560. | 10570. | 10580. | 10590. | 10600. | 10610. | 10620. | 10630. | 10640. | 10650. | 10660. | 10670. | 10680. | 10690. | 10700. | 10710. | 10720. | 10730. | 10740. | 10750. | 10760. | 10770. | 10780. | 10790. | 10800. | 10810. | 10820. | 10830. | 10840. | 10850. | 10860. | 10870. | 10880. | 10890. | 10900. | 10910. | 10920. | 10930. | 10940. | 10950. | 10960. | 10970. | 10980. | 10990. | 11000. | 11010. | 11020. | 11030. | 11040. | 11050. | 11060. | 11070. | 11080. | 11090. | 11100. | 11110. | 11120. | 11130. | 11140. | 11150. | 11160. | 11170. | 11180. | 11190. | 11200. | 11210. | 11220. | 11230. | 11240. | 11250. | 11260. | 11270. | 11280. | 11290. | 11300. | 11310. | 11320. | 11330. | 11340. | 11350. | 11360. | 11370. | 11380. | 11390. | 11400. | 11410. | 11420. | 11430. | 11440. | 11450. | 11460. | 11470. | 11480. | 11490. | 11500. | 11510. | 11520. | 11530. | 11540. | 11550. | 11560. | 11570. | 11580. | 11590. | 11600. | 11610. | 11620. | 11630. | 11640. | 11650. | 11660. | 11670. | 11680. | 11690. | 11700. | 11710. | 11720. | 11730. | 11740. | 11750. | 11760. | 11770. | 11780. | 11790. | 11800. | 11810. | 11820. | 11830. | 11840. | 11850. | 11860. | 11870. | 11880. | 11890. | 11900. | 11910. | 11920. | 11930. | 11940. | 11950. | 11960. | 11970. | 11980. | 11990. | 12000. | 12010. | 12020. | 12030. | 12040. | 12050. | 12060. | 12070. | 12080. | 12090. | 12100. | 12110. | 12120. | 12130. | 12140. | 12150. | 12160. | 12170. | 12180. | 12190. | 12200. | 12210. | 12220. | 12230. | 12240. | 12250. | 12260. | 12270. | 12280. | 12290. | 12300. | 12310. | 12320. | 12330. | 12340. | 12350. | 12360. | 12370. | 12380. | 12390. | 12400. | 12410. | 12420. | 12430. | 12440. | 12450. | 12460. | 12470. | 12480. | 12490. | 12500. | 12510. | 12520. | 12530. | 12540. | 12550. | 12560. | 12570. | 12580. | 12590. | 12600. | 12610. | 12620. | 12630. | 12640. | 12650. | 12660. | 12670. | 12680. | 12690. | 12700. | 12710. | 12720. | 12730. | 12740. | 12750. | 12760. | 12770. | 12780. | 12790. | 12800. | 12810. | 12820. | 12830. | 12840. | 12850. | 12860. | 12870. | 12880. | 12890. | 12900. | 12910. | 12920. | 12930. | 12940. | 12950. | 12960. | 12970. | 12980. | 12990. | 13000. | 13010. | 13020. | 13030. | 13040. | 13050. | 13060. | 13070. | 13080. | 13090. | 13100. | 13110. | 13120. | 13130. | 13140. | 13150. | 13160. | 13170. | 13180. | 13190. | 13200. | 13210. | 13220. | 13230. | 13240. | 13250. | 13260. | 13270. | 13280. | 13290. | 13300. | 13310. | 13320. | 13330. | 13340. | 13350. | 13360. | 13370. | 13380. | 13390. | 13400. | 13410. | 13420. | 13430. | 13440. | 13450. | 13460. | 13470. | 13480. | 13490. | 13500.</ |
|--|-------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--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|--|-------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--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PROC. DATE - MONTH 8 DAY 30 HR. 15.3

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 54.5 | 59.1 | 52.2 | 62.2 | 64.4 | 65.7 | 68.2 | 69.2 | 70.7 | 74.7 | 79.3 | 79.5 | 76.6 | | | | | |
| | 63 | 55.5 | 61.4 | 51.2 | 64.7 | 67.8 | 68.5 | 69.3 | 71.0 | 73.0 | 76.9 | 80.3 | 81.7 | 78.0 | | | | | |
| SIDELINE 2400. FT. | 80 | 58.0 | 61.1 | 54.4 | 65.2 | 67.5 | 68.7 | 69.5 | 72.5 | 74.7 | 79.2 | 83.0 | 82.9 | 78.4 | | | | | |
| (731.52 M) | 100 | 58.4 | 61.3 | 53.9 | 65.7 | 67.5 | 69.2 | 70.2 | 72.5 | 75.9 | 80.9 | 83.7 | 83.1 | 78.3 | | | | | |
| NFA 1. RPM | 125 | 59.7 | 63.1 | 64.7 | 66.7 | 69.0 | 70.0 | 71.8 | 74.0 | 77.0 | 81.4 | 83.0 | 82.3 | 78.1 | | | | | |
| (0. RAD/SEC) | 160 | 60.5 | 64.2 | 65.8 | 68.1 | 69.7 | 71.4 | 72.7 | 75.1 | 78.3 | 82.0 | 82.6 | 81.3 | 77.3 | | | | | |
| NFK 1. RPM | 200 | 62.1 | 65.3 | 67.8 | 69.1 | 70.9 | 72.4 | 73.4 | 76.3 | 78.8 | 81.4 | 81.4 | 79.1 | 75.7 | | | | | |
| (0. RAD/SEC) | 250 | 62.0 | 65.2 | 68.2 | 69.5 | 71.3 | 73.1 | 73.8 | 77.0 | 79.9 | 81.3 | 80.5 | 79.4 | 74.6 | | | | | |
| WFO 7500. RPM | 315 | 61.7 | 65.8 | 67.5 | 69.6 | 72.2 | 73.2 | 74.2 | 76.1 | 80.5 | 81.1 | 80.3 | 79.3 | 74.5 | | | | | |
| (785. RAD/SEC) | 400 | 62.1 | 65.2 | 68.5 | 69.9 | 71.5 | 73.2 | 74.7 | 77.6 | 81.0 | 81.1 | 79.7 | 79.0 | 73.5 | | | | | |
| AIRFLOW RATIO | 500 | 61.9 | 65.4 | 67.5 | 69.9 | 71.5 | 73.0 | 74.2 | 77.2 | 80.8 | 80.3 | 79.3 | 78.7 | 72.8 | | | | | |
| WF/W 4.78 | 630 | 62.0 | 65.1 | 68.0 | 70.2 | 72.3 | 72.6 | 74.6 | 77.7 | 80.8 | 80.7 | 78.6 | 77.0 | 71.3 | | | | | |
| VEHICLE CELL41 | 800 | 60.4 | 63.9 | 66.9 | 68.7 | 71.1 | 72.3 | 74.1 | 77.4 | 79.4 | 79.8 | 78.8 | 77.0 | 67.6 | | | | | |
| CONFIG NCS9 | 1000 | 59.2 | 63.7 | 67.3 | 69.3 | 70.3 | 72.1 | 73.8 | 77.1 | 78.3 | 78.1 | 78.1 | 74.0 | 65.0 | | | | | |
| LOC C61 ANECHO CH | 1250 | 57.3 | 63.7 | 67.7 | 68.6 | 70.8 | 72.1 | 74.1 | 76.1 | 77.7 | 76.6 | 76.2 | 71.4 | 62.3 | | | | | |
| DATE 06-16-76 | 1600 | 54.6 | 62.3 | 66.8 | 68.3 | 70.1 | 70.9 | 73.1 | 74.8 | 76.1 | 75.3 | 73.2 | 68.9 | 57.0 | | | | | |
| DRUN CONFZVELDEPN | 2000 | 51.6 | 61.1 | 65.8 | 68.4 | 70.0 | 69.4 | 71.3 | 73.2 | 74.3 | 71.6 | 69.9 | 65.6 | 52.3 | | | | | |
| TAPE X21160 | 2500 | 46.8 | 54.4 | 52.1 | 65.8 | 67.8 | 67.9 | 69.0 | 69.5 | 70.1 | 68.0 | 65.2 | 59.1 | 46.5 | | | | | |
| FAN TIP SPEED | 3150 | 39.8 | 50.4 | 56.6 | 61.9 | 64.5 | 63.9 | 66.3 | 65.0 | 65.4 | 62.1 | 58.4 | 51.4 | 33.1 | | | | | |
| FT/SEC | 4000 | 28.9 | 40.9 | 48.4 | 53.2 | 59.5 | 58.0 | 60.2 | 57.0 | 57.9 | 52.4 | 47.3 | 39.3 | 16.0 | | | | | |
| | 5000 | 22.4 | 35.6 | 42.6 | 48.4 | 52.8 | 53.0 | 53.5 | 52.5 | 53.2 | 46.5 | 42.6 | 29.3 | 5.6 | | | | | |
| | 6300 | 7.3 | 23.4 | 32.9 | 38.8 | 44.0 | 43.3 | 45.4 | 42.8 | 41.6 | 33.8 | 27.2 | 12.9 | | | | | | |
| | 8000 | | | | | | | | | | | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 72.1 | 76.1 | 79.0 | 83.9 | 82.8 | 83.9 | 85.4 | 88.0 | 90.7 | 92.0 | 92.7 | 91.9 | 87.2 | | | | | |
| PND3 | | 76.9 | 83.0 | 87.1 | 89.6 | 91.7 | 92.2 | 93.7 | 95.6 | 97.4 | 97.3 | 96.7 | 94.8 | 88.3 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2116 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(5131n²)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 315. | 330. | 345. | 360. | 375. | 390. | 405. | 420. | 435. | 450. | 465. | 480. | 495. | 510. | 525. | 540. | 555. | 570. | 585. | 600. | 615. | 630. | 645. | 660. | 675. | 690. | 705. | 720. | 735. | 750. | 765. | 780. | 795. | 810. | 825. | 840. | 855. | 870. | 885. | 900. | 915. | 930. | 945. | 960. | 975. | 990. | 1005. | 1020. | 1035. | 1050. | 1065. | 1080. | 1095. | 1110. | 1125. | 1140. | 1155. | 1170. | 1185. | 1200. | 1215. | 1230. | 1245. | 1260. | 1275. | 1290. | 1305. | 1320. | 1335. | 1350. | 1365. | 1380. | 1395. | 1410. | 1425. | 1440. | 1455. | 1470. | 1485. | 1500. | 1515. | 1530. | 1545. | 1560. | 1575. | 1590. | 1605. | 1620. | 1635. | 1650. | 1665. | 1680. | 1695. | 1710. | 1725. | 1740. | 1755. | 1770. | 1785. | 1800. | 1815. | 1830. | 1845. | 1860. | 1875. | 1890. | 1905. | 1920. | 1935. | 1950. | 1965. | 1980. | 1995. | 2010. | 2025. | 2040. | 2055. | 2070. | 2085. | 2100. | 2115. | 2130. | 2145. | 2160. | 2175. | 2190. | 2205. | 2220. | 2235. | 2250. | 2265. | 2280. | 2295. | 2310. | 2325. | 2340. | 2355. | 2370. | 2385. | 2400. | 2415. | 2430. | 2445. | 2460. | 2475. | 2490. | 2505. | 2520. | 2535. | 2550. | 2565. | 2580. | 2595. | 2610. | 2625. | 2640. | 2655. | 2670. | 2685. | 2700. | 2715. | 2730. | 2745. | 2760. | 2775. | 2790. | 2805. | 2820. | 2835. | 2850. | 2865. | 2880. | 2895. | 2910. | 2925. | 2940. | 2955. | 2970. | 2985. | 3000. | 3015. | 3030. | 3045. | 3060. | 3075. | 3090. | 3105. | 3120. | 3135. | 3150. | 3165. | 3180. | 3195. | 3210. | 3225. | 3240. | 3255. | 3270. | 3285. | 3300. | 3315. | 3330. | 3345. | 3360. | 3375. | 3390. | 3405. | 3420. | 3435. | 3450. | 3465. | 3480. | 3495. | 3510. | 3525. | 3540. | 3555. | 3570. | 3585. | 3600. | 3615. | 3630. | 3645. | 3660. | 3675. | 3690. | 3705. | 3720. | 3735. | 3750. | 3765. | 3780. | 3795. | 3810. | 3825. | 3840. | 3855. | 3870. | 3885. | 3900. | 3915. | 3930. | 3945. | 3960. | 3975. | 3990. | 4005. | 4020. | 4035. | 4050. | 4065. | 4080. | 4095. | 4110. | 4125. | 4140. | 4155. | 4170. | 4185. | 4200. | 4215. | 4230. | 4245. | 4260. | 4275. | 4290. | 4305. | 4320. | 4335. | 4350. | 4365. | 4380. | 4395. | 4410. | 4425. | 4440. | 4455. | 4470. | 4485. | 4500. | 4515. | 4530. | 4545. | 4560. | 4575. | 4590. | 4605. | 4620. | 4635. | 4650. | 4665. | 4680. | 4695. | 4710. | 4725. | 4740. | 4755. | 4770. | 4785. | 4800. | 4815. | 4830. | 4845. | 4860. | 4875. | 4890. | 4905. | 4920. | 4935. | 4950. | 4965. | 4980. | 4995. | 5010. | 5025. | 5040. | 5055. | 5070. | 5085. | 5100. | 5115. | 5130. | 5145. | 5160. | 5175. | 5190. | 5205. | 5220. | 5235. | 5250. | 5265. | 5280. | 5295. | 5310. | 5325. | 5340. | 5355. | 5370. | 5385. | 5400. | 5415. | 5430. | 5445. | 5460. | 5475. | 5490. | 5505. | 5520. | 5535. | 5550. | 5565. | 5580. | 5595. | 5610. | 5625. | 5640. | 5655. | 5670. | 5685. | 5700. | 5715. | 5730. | 5745. | 5760. | 5775. | 5790. | 5805. | 5820. | 5835. | 5850. | 5865. | 5880. | 5895. | 5910. | 5925. | 5940. | 5955. | 5970. | 5985. | 6000. | 6015. | 6030. | 6045. | 6060. | 6075. | 6090. | 6105. | 6120. | 6135. | 6150. | 6165. | 6180. | 6195. | 6210. | 6225. | 6240. | 6255. | 6270. | 6285. | 6300. | 6315. | 6330. | 6345. | 6360. | 6375. | 6390. | 6405. | 6420. | 6435. | 6450. | 6465. | 6480. | 6495. | 6510. | 6525. | 6540. | 6555. | 6570. | 6585. | 6600. | 6615. | 6630. | 6645. | 6660. | 6675. | 6690. | 6705. | 6720. | 6735. | 6750. | 6765. | 6780. | 6795. | 6810. | 6825. | 6840. | 6855. | 6870. | 6885. | 6900. | 6915. | 6930. | 6945. | 6960. | 6975. | 6990. | 7005. | 7020. | 7035. | 7050. | 7065. | 7080. | 7095. | 7110. | 7125. | 7140. | 7155. | 7170. | 7185. | 7200. | 7215. | 7230. | 7245. | 7260. | 7275. | 7290. | 7305. | 7320. | 7335. | 7350. | 7365. | 7380. | 7395. | 7410. | 7425. | 7440. | 7455. | 7470. | 7485. | 7500. | 7515. | 7530. | 7545. | 7560. | 7575. | 7590. | 7605. | 7620. | 7635. | 7650. | 7665. | 7680. | 7695. | 7710. | 7725. | 7740. | 7755. | 7770. | 7785. | 7800. | 7815. | 7830. | 7845. | 7860. | 7875. | 7890. | 7905. | 7920. | 7935. | 7950. | 7965. | 7980. | 7995. | 8010. | 8025. | 8040. | 8055. | 8070. | 8085. | 8100. | 8115. | 8130. | 8145. | 8160. | 8175. | 8190. | 8205. | 8220. | 8235. | 8250. | 8265. | 8280. | 8295. | 8310. | 8325. | 8340. | 8355. | 8370. | 8385. | 8400. | 8415. | 8430. | 8445. | 8460. | 8475. | 8490. | 8505. | 8520. | 8535. | 8550. | 8565. | 8580. | 8595. | 8610. | 8625. | 8640. | 8655. | 8670. | 8685. | 8700. | 8715. | 8730. | 8745. | 8760. | 8775. | 8790. | 8805. | 8820. | 8835. | 8850. | 8865. | 8880. | 8895. | 8910. | 8925. | 8940. | 8955. | 8970. | 8985. | 9000. | 9015. | 9030. | 9045. | 9060. | 9075. | 9090. | 9105. | 9120. | 9135. | 9150. | 9165. | 9180. | 9195. | 9210. | 9225. | 9240. | 9255. | 9270. | 9285. | 9300. | 9315. | 9330. | 9345. | 9360. | 9375. | 9390. | 9405. | 9420. | 9435. | 9450. | 9465. | 9480. | 9495. | 9510. | 9525. | 9540. | 9555. | 9570. | 9585. | 9600. | 9615. | 9630. | 9645. | 9660. | 9675. | 9690. | 9705. | 9720. | 9735. | 9750. | 9765. | 9780. | 9795. | 9810. | 9825. | 9840. | 9855. | 9870. | 9885. | 9900. | 9915. | 9930. | 9945. | 9960. | 9975. | 9990. | 10005. | 10020. | 10035. | 10050. | 10065. | 10080. | 10095. | 10110. | 10125. | 10140. | 10155. | 10170. | 10185. | 10200. | 10215. | 10230. | 10245. | 10260. | 10275. | 10290. | 10305. | 10320. | 10335. | 10350. | 10365. | 10380. | 10395. | 10410. | 10425. | 10440. | 10455. | 10470. | 10485. | 10500. | 10515. | 10530. | 10545. | 10560. | 10575. | 10590. | 10605. | 10620. | 10635. | 10650. | 10665. | 10680. | 10695. | 10710. | 10725. | 10740. | 10755. | 10770. | 10785. | 10800. | 10815. | 10830. | 10845. | 10860. | 10875. | 10890. | 10905. | 10920. | 10935. | 10950. | 10965. | 10980. | 10995. | 11010. | 11025. | 11040. | 11055. | 11070. | 11085. | 11100. | 11115. | 11130. | 11145. | 11160. | 11175. | 11190. | 11205. | 11220. | 11235. | 11250. | 11265. | 11280. | 11295. | 11310. | 11325. | 11340. | 11355. | 11370. | 11385. | 11400. | 11415. | 11430. | 11445. | 11460. | 11475. | 11490. | 11505. | 11520. | 11535. | 11550. | 11565. | 11580. | 11595. | 11610. | 11625. | 11640. | 11655. | 11670. | 11685. | 11700. | 11715. | 11730. | 11745. | 11760. | 11775. | 11790. | 11805. | 11820. | 11835. | 11850. | 11865. | 11880. | 11895. | 11910. | 11925. | 11940. | 11955. | 11970. | 11985. | 12000. | 12015. | 12030. | 12045. | 12060. | 12075. | 12090. | 12105. | 12120. | 12135. | 12150. | 12165. | 12180. | 12195. | 12210. | 12225. | 12240. | 12255. | 12270. | 12285. | 12300. | 12315. | 12330. | 12345. | 12360. | 12375. | 12390. | 12405. | 12420. | 12435. | 12450. | 12465. | 12480. | 12495. | 12510. | 12525. | 12540. | 12555. | 12570. | 12585. | 12600. | 12615. | 12630. | 12645. | 12660. | 12675. | 12690. | 12705. | 12720. | 12735. | 12750. | 12765. | 12780. | 12795. | 12810. | 12825. | 12840. | 12855. | 12870. | 12885. | 12900. | 12915. | 12930. | 12945. | 12960. | 12975. | 12990. | 13005. | 13020. | 13035. | 13050. | 13065. | 13080. | 13095. | 13110. | 13125. | 13140. | 13155. | 13170. | 13185. | 13200. | 13215. | 13230. | 13245. | 13260. | 13275. | 13290. | 13305. | 13320. | 13335. | 13350. | 13365. | 13380. | 13395. | 13410. | 13425. | 13440. | 13455. | 13470. | 13485. | 13500. | 13515. | 13530. | 13545. | 13560. | 13575. | 13590. | 13605. | 13620. | 13635. | 13650. | 13665. | 13680. | 13695. | 13710. | 13725. | 13740. | 13755. | 13770. | 13785. | 13800. | 13815. | 13830. | 13845. | 13860. | 13875. | 13890. | 13905. | 13920. | 13935. | 13950. | 13965. | 13980. | 13995. | 14010. | 14025. | 14040. | 14055. | 14070. | 14085. | 14100. | 14115. | 14130. | 14145. | 14160. | 14175. | 14190. | 14205. | 14220. | 14235. | 14250. | 14265. | 14280. | 14295. | 14310. | 14325. | 14340. | 14355. | 14370. | 14385. | 14400. | 14415. | 14430. | 14445. | 14460. | 14475. | 14490. | 14505. | 14520. | 14535. | 14550. | 14565. | 14580. | 14595. | 14610. | 14625. | 14640. | 14655. | 14670. | 14685. | 14700. | 14715. | 14730. | 14745. | 14760. | 14775. | 14790. | 14805. | 14820. | 14835. | 14850. | 14865. | 14880. | 14895. | 14910. | 14925. | 14940. | 14955. | 14970. | 14985. | 15000. | 15015. | 15030. | 15045. | 15060. | 15075. | 15090. | 15105. | 15120. | 15135. | 15150. | 15165. | 15180. | 15195. | 15210. | 15225. | 15240. | 15255. | 15270. | 15285. | 15300. | 15315. | 15330. | 15345. | 15360. | 15375. | 15390. | 15405. | 15420. | 15435. | 15450. | 15465. | 15480. | 15495. | 15510. | 15525. | 15540. | 15555. | 15570. | 15585. | 15600. | 15615. | 15630. | 15645. | 15660. | 15675. | 15690. | 15705. | 15720. | 15735. | 15750. | 15765. | 15780. | 15795. | 15810. | 15825. | 15840. | 15855. | 15870. | 15885. | 15900. | 15915. | 15930. | 15945. | 15960. | 15975. | 15990. | 16005. | 16020. | 16035. | 16050. | 16065. | 16080. | 16095. | 16110. | 16125. | 16140. | 16155. | 16170. | 16185. | 16200. | 16215. | 16230. | 16245. | 16260. | 16275. | 16290. | 16305. | 16320. | 16335. | 16350. | 16365. | 16380. | 16395. | 16410. | 16425. | 16440. | 16455. | 16470. | 16485. | 16500. | 16515. | 16530. | 16545. | 16560. | 16575. | 16590. | 16605. | 16620. | 16635. | 16650. | 16665. | 16680. | 16695. | 16710. | 16725. | 16740. | 16755. | 16770. | 16785. | 16800. | 16815. | 16830. | 16845. | 16860. | 16875. | 16890. | 16905. | 16920. | 16935. | 16950. | 16965. | 16980. | 16995. | 17010. | 17025. | 17040. | 17055. | 17070. | 17085. | 17100. | 17115. | 17130. | 17145. | 17160. | 17175. | 17190. | 17205. | 17220. | 17235. | 17250. | 17265. | 17280. | 17295. | 17310. | 17325. | 17340. | 17355. | 17370. | 17385. | 17400. | 17415. | 17430. | 17445. | 17460. | 17475. | 17490. | 17505. | 17520. | 17535. | 17550. | 17565. | 17580. | 17595. | 17610. | 17625. | 17640. | 17655. | 17670. | 17685. | 17700. | 17715. | 17730. | 17745. | 17760. | 17775. | 17790. | 17805. | 17820. | 17835. | 17850. | 17865. | 17880. | 17895. | 17910. | 17925. | 17940. | 17955. | 17970. | 17985. | 18000. | 18015. | 18030. | 18045. | 18060. | 18075. | 18090. | 18105. | 18120. | 18135. | 18150. | 18165. | 18180. | 18195. | 18210. | 18225. | 18240. | 18255. | 18270. | 18285. | 18300. | 18315. | 18330. | 18345. | 18360. | 18375. | 18390. | 18405. | 18420. | 18435. | 18450. | 18465. | 18480. | 18495. | 18510. | 18525. | 18540. | 18555. | 18570. | 18585. | 18600. | 18615. | 18630. | 18645. | 18660. | 18675. | 18690. | 18705. | 18720. | 18735. | 18750. | 18765. | 18780. | 18795. | 18810. | 18825. | 18840. | 18855. | 18870. | 18885. | 18900. | 18915. | 18930. | 18945. | 18960. | 18975. | 18990. | 19005. | 19020. | 19035. | 19050. | 19065. | 19080. | 19095. | 19110. | 19125. | 19140. | 19155. | 19170. | 19185. | 19200. | 19215. | 19230. | 19245. | 19260. | 19275. | 19290. | 19305. | 19320. | 19335. | 19350. | 19365. | 19380. | 19 |
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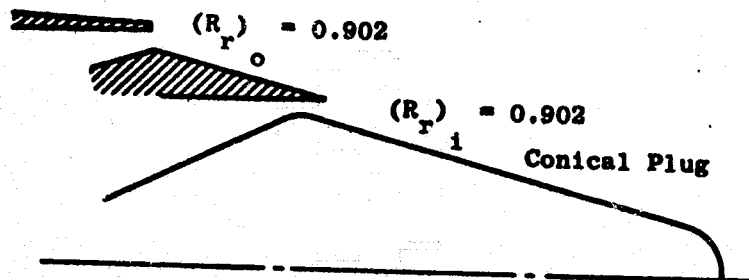
| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.57) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0.) | (3.0.) |
| NO 33A | | 50 | 55.5 | 60.3 | 62.9 | 63.4 | 65.2 | 66.7 | 68.9 | 70.4 | 72.2 | 75.2 | 80.3 | 80.7 | 78.3 | | |
| SIDELINE 2400. FT. | | 63 | 56.5 | 62.6 | 62.2 | 65.5 | 68.3 | 69.0 | 70.0 | 71.7 | 74.2 | 77.7 | 82.1 | 83.5 | 80.0 | | |
| (731.52 ft) | | 80 | 59.0 | 62.1 | 65.2 | 66.0 | 68.2 | 69.2 | 70.0 | 73.0 | 75.7 | 80.4 | 84.5 | 84.6 | 80.4 | | |
| 1. RPM | | 100 | 59.2 | 61.8 | 64.7 | 66.5 | 68.5 | 70.2 | 71.5 | 73.5 | 76.4 | 81.7 | 85.7 | 85.8 | 80.5 | | |
| NFA (0. RAD/SEC) | | 125 | 60.4 | 63.6 | 66.0 | 68.2 | 70.0 | 71.0 | 72.5 | 75.0 | 78.2 | 82.1 | 85.5 | 85.8 | 81.1 | | |
| VFK (0. RAD/SEC) | | 150 | 62.0 | 64.9 | 66.8 | 69.4 | 70.9 | 72.2 | 73.9 | 75.6 | 79.6 | 82.8 | 85.3 | 85.6 | 81.0 | | |
| 1. RPM | | 200 | 64.9 | 67.3 | 70.0 | 70.6 | 72.1 | 73.6 | 74.6 | 77.1 | 79.8 | 82.2 | 84.2 | 84.4 | 80.5 | | |
| NFD (7500. RPM) | | 250 | 63.7 | 66.5 | 69.9 | 71.0 | 72.8 | 74.8 | 75.0 | 77.7 | 80.4 | 82.6 | 82.8 | 84.4 | 80.3 | | |
| AIRFLOW RATIO | | 315 | 63.5 | 66.8 | 68.5 | 70.9 | 73.2 | 74.7 | 75.2 | 77.6 | 81.3 | 82.4 | 81.8 | 83.8 | 79.0 | | |
| WF/WM 4.78 | | 400 | 64.3 | 67.0 | 70.3 | 71.1 | 73.0 | 73.7 | 75.7 | 78.4 | 81.3 | 81.6 | 81.4 | 82.8 | 77.2 | | |
| VEHICLE CELL 41 | | 500 | 64.7 | 67.4 | 69.5 | 70.7 | 73.0 | 74.0 | 75.7 | 78.2 | 81.3 | 80.5 | 80.8 | 81.7 | 74.6 | | |
| CONFIG NC59 | | 630 | 66.0 | 68.1 | 70.0 | 72.2 | 73.3 | 74.1 | 75.6 | 78.2 | 81.5 | 80.7 | 81.3 | 80.6 | 72.8 | | |
| LOC C41 ANECH CH | | 800 | 64.4 | 67.9 | 69.4 | 70.7 | 72.1 | 73.1 | 75.1 | 77.9 | 80.2 | 80.3 | 80.0 | 77.5 | 68.1 | | |
| DATE 06-16-76 | | 1000 | 63.0 | 66.9 | 69.6 | 71.1 | 72.3 | 73.6 | 74.8 | 77.4 | 78.8 | 78.8 | 75.2 | 65.0 | | | |
| RUN CONF2VELDEPN | | 1250 | 60.8 | 66.2 | 69.0 | 70.1 | 72.1 | 73.6 | 75.1 | 76.9 | 78.5 | 77.1 | 77.2 | 72.9 | 62.3 | | |
| TAPE X21170 | | 1600 | 58.0 | 63.6 | 67.1 | 69.3 | 71.6 | 72.6 | 74.3 | 75.8 | 76.3 | 75.5 | 74.2 | 69.1 | 57.8 | | |
| FAN TIP SPEED | | 2000 | 53.9 | 61.8 | 65.6 | 68.2 | 71.0 | 70.4 | 71.8 | 73.9 | 74.8 | 72.3 | 70.6 | 66.1 | 53.5 | | |
| FT/SEC | | 3150 | 41.8 | 52.1 | 57.4 | 61.2 | 64.3 | 64.0 | 66.5 | 65.5 | 66.4 | 62.1 | 58.9 | 52.1 | 33.9 | | |
| OVERALL CALCULATED | | 4000 | 31.4 | 42.7 | 49.4 | 53.9 | 58.5 | 57.5 | 60.3 | 53.2 | 53.2 | 47.1 | 48.1 | 39.1 | 17.3 | | |
| PNOB | | 5000 | 24.4 | 38.2 | 44.5 | 48.9 | 53.1 | 53.0 | 53.3 | 53.0 | 53.2 | 47.1 | 42.9 | 30.1 | 6.9 | | |
| | | 6300 | 9.6 | 25.5 | 34.7 | 40.1 | 44.5 | 44.1 | 45.4 | 42.9 | 41.7 | 33.9 | 27.8 | 14.5 | | | |
| | | 8000 | | 5.3 | 17.8 | 24.3 | 28.5 | 29.1 | 29.5 | 26.3 | 24.3 | 16.2 | 6.2 | | | | |
| | | 10000 | | | | 0.6 | 5.2 | 6.6 | 5.8 | 2.7 | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 74.7 | 78.0 | 80.5 | 82.1 | 84.0 | 85.1 | 86.4 | 88.7 | 91.4 | 92.8 | 94.6 | 94.9 | 90.2 | | | |
| | | 79.9 | 84.5 | 87.9 | 90.2 | 92.7 | 93.1 | 94.7 | 96.3 | 98.1 | 97.9 | 98.2 | 97.8 | 91.8 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 2 TEST POINT 2/17 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL - 33m²(513in²)

6.3 Acoustic Data

- Coannular Configuration 3



$$A^0 = 11.057 \text{ in.}^2$$

$$A_T = A^0 + A^1 = 16.935 \text{ in.}^2$$

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PRECEDING PAGE BLANK NOT FILMED

| | | ANGLES FROM INLET IN DEGREES (AND RADIIANS) | | | | | | | | | | | | | |
|--------------------|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
| FREQ. | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(2.96)(3.13)(3.30)(3.47)(3.64)(3.81)(3.98)(4.15)(4.32)(4.49)(4.66)(4.83)(5.00)(5.17)(5.34)(5.51)(5.68)(5.85)(6.02)(6.19)(6.36)(6.53)(6.70)(6.87)(7.04)(7.21)(7.38)(7.55)(7.72)(7.89)(8.06)(8.23)(8.40)(8.57)(8.74)(8.91)(9.08)(9.25)(9.42)(9.59)(9.76)(9.93)(10.10)(10.27)(10.44)(10.61)(10.78)(10.95)(11.12)(11.29)(11.46)(11.63)(11.80)(11.97)(12.14)(12.31)(12.48)(12.65)(12.82)(12.99)(13.16)(13.33)(13.50)(13.67)(13.84)(14.01)(14.18)(14.35)(14.52)(14.69)(14.86)(15.03)(15.20)(15.37)(15.54)(15.71)(15.88)(16.05)(16.22)(16.39)(16.56)(16.73)(16.90)(17.07)(17.24)(17.41)(17.58)(17.75)(17.92)(18.09)(18.26)(18.43)(18.60)(18.77)(18.94)(19.11)(19.28)(19.45)(19.62)(19.79)(19.96)(20.13)(20.30)(20.47)(20.64)(20.81)(20.98)(21.15)(21.32)(21.49)(21.66)(21.83)(22.00)(22.17)(22.34)(22.51)(22.68)(22.85)(23.02)(23.19)(23.36)(23.53)(23.70)(23.87)(24.04)(24.21)(24.38)(24.55)(24.72)(24.89)(25.06)(25.23)(25.40)(25.57)(25.74)(25.91)(26.08)(26.25)(26.42)(26.59)(26.76)(26.93)(27.10)(27.27)(27.44)(27.61)(27.78)(27.95)(28.12)(28.29)(28.46)(28.63)(28.80)(28.97)(29.14)(29.31)(29.48)(29.65)(29.82)(30.00)(30.17)(30.34)(30.51)(30.68)(30.85)(31.02)(31.19)(31.36)(31.53)(31.70)(31.87)(32.04)(32.21)(32.38)(32.55)(32.72)(32.89)(33.06)(33.23)(33.40)(33.57)(33.74)(33.91)(34.08)(34.25)(34.42)(34.59)(34.76)(34.93)(35.10)(35.27)(35.44)(35.61)(35.78)(35.95)(36.12)(36.29)(36.46)(36.63)(36.80)(36.97)(37.14)(37.31)(37.48)(37.65)(37.82)(37.99)(38.16)(38.33)(38.50)(38.67)(38.84)(39.01)(39.18)(39.35)(39.52)(39.69)(39.86)(40.03)(40.20)(40.37)(40.54)(40.71)(40.88)(41.05)(41.22)(41.39)(41.56)(41.73)(41.90)(42.07)(42.24)(42.41)(42.58)(42.75)(42.92)(43.09)(43.26)(43.43)(43.60)(43.77)(43.94)(44.11)(44.28)(44.45)(44.62)(44.79)(44.96)(45.13)(45.30)(45.47)(45.64)(45.81)(45.98)(46.15)(46.32)(46.49)(46.66)(46.83)(47.00)(47.17)(47.34)(47.51)(47.68)(47.85)(48.02)(48.19)(48.36)(48.53)(48.70)(48.87)(49.04)(49.21)(49.38)(49.55)(49.72)(49.89)(50.06)(50.23)(50.40)(50.57)(50.74)(50.91)(51.08)(51.25)(51.42)(51.59)(51.76)(51.93)(52.10)(52.27)(52.44)(52.61)(52.78)(52.95)(53.12)(53.29)(53.46)(53.63)(53.80)(53.97)(54.14)(54.31)(54.48)(54.65)(54.82)(54.99)(55.16)(55.33)(55.50)(55.67)(55.84)(56.01)(56.18)(56.35)(56.52)(56.69)(56.86)(57.03)(57.20)(57.37)(57.54)(57.71)(57.88)(58.05)(58.22)(58.39)(58.56)(58.73)(58.90)(59.07)(59.24)(59.41)(59.58)(59.75)(59.92)(60.09)(60.26)(60.43)(60.60)(60.77)(60.94)(61.11)(61.28)(61.45)(61.62)(61.79)(61.96)(62.13)(62.30)(62.47)(62.64)(62.81)(62.98)(63.15)(63.32)(63.49)(63.66)(63.83)(64.00)(64.17)(64.34)(64.51)(64.68)(64.85)(65.02)(65.19)(65.36)(65.53)(65.70)(65.87)(66.04)(66.21)(66.38)(66.55)(66.72)(66.89)(67.06)(67.23)(67.40)(67.57)(67.74)(67.91)(68.08)(68.25)(68.42)(68.59)(68.76)(68.93)(69.10)(69.27)(69.44)(69.61)(69.78)(69.95)(70.12)(70.29)(70.46)(70.63)(70.80)(70.97)(71.14)(71.31)(71.48)(71.65)(71.82)(71.99)(72.16)(72.33)(72.50)(72.67)(72.84)(73.01)(73.18)(73.35)(73.52)(73.69)(73.86)(74.03)(74.20)(74.37)(74.54)(74.71)(74.88)(75.05)(75.22)(75.39)(75.56)(75.73)(75.90)(76.07)(76.24)(76.41)(76.58)(76.75)(76.92)(77.09)(77.26)(77.43)(77.60)(77.77)(77.94)(78.11)(78.28)(78.45)(78.62)(78.79)(78.96)(79.13)(79.30)(79.47)(79.64)(79.81)(79.98)(80.15)(80.32)(80.49)(80.66)(80.83)(81.00)(81.17)(81.34)(81.51)(81.68)(81.85)(82.02)(82.19)(82.36)(82.53)(82.70)(82.87)(83.04)(83.21)(83.38)(83.55)(83.72)(83.89)(84.06)(84.23)(84.40)(84.57)(84.74)(84.91)(85.08)(85.25)(85.42)(85.59)(85.76)(85.93)(86.10)(86.27)(86.44)(86.61)(86.78)(86.95)(87.12)(87.29)(87.46)(87.63)(87.80)(87.97)(88.14)(88.31)(88.48)(88.65)(88.82)(88.99)(89.16)(89.33)(89.50)(89.67)(89.84)(89.99)(90.16)(90.33)(90.50)(90.67)(90.84)(91.01)(91.18)(91.35)(91.52)(91.69)(91.86)(92.03)(92.20)(92.37)(92.54)(92.71)(92.88)(93.05)(93.22)(93.39)(93.56)(93.73)(93.90)(94.07)(94.24)(94.41)(94.58)(94.75)(94.92)(95.09)(95.26)(95.43)(95.60)(95.77)(95.94)(96.11)(96.28)(96.45)(96.62)(96.79)(96.96)(97.13)(97.30)(97.47)(97.64)(97.81)(97.98)(98.15)(98.32)(98.49)(98.66)(98.83)(99.00)(99.17)(99.34)(99.51)(99.68)(99.85)(100.02)(100.19)(100.36)(100.53)(100.70)(100.87)(101.04)(101.21)(101.38)(101.55)(101.72)(101.89)(102.06)(102.23)(102.40)(102.57)(102.74)(102.91)(103.08)(103.25)(103.42)(103.59)(103.76)(103.93)(104.10)(104.27)(104.44)(104.61)(104.78)(104.95)(105.12)(105.29)(105.46)(105.63)(105.80)(105.97)(106.14)(106.31)(106.48)(106.65)(106.82)(106.99)(107.16)(107.33)(107.50)(107.67)(107.84)(108.01)(108.18)(108.35)(108.52)(108.69)(108.86)(109.03)(109.20)(109.37)(109.54)(109.71)(109.88)(110.05)(110.22)(110.39)(110.56)(110.73)(110.90)(111.07)(111.24)(111.41)(111.58)(111.75)(111.92)(112.09)(112.26)(112.43)(112.60)(112.77)(112.94)(113.11)(113.28)(113.45)(113.62)(113.79)(113.96)(114.13)(114.30)(114.47)(114.64)(114.81)(114.98)(115.15)(115.32)(115.49)(115.66)(115.83)(116.00)(116.17)(116.34)(116.51)(116.68)(116.85)(117.02)(117.19)(117.36)(117.53)(117.70)(117.87)(118.04)(118.21)(118.38)(118.55)(118.72)(118.89)(119.06)(119.23)(119.40)(119.57)(119.74)(119.91)(120.08)(120.25)(120.42)(120.59)(120.76)(120.93)(121.10)(121.27)(121.44)(121.61)(121.78)(121.95)(122.12)(122.29)(122.46)(122.63)(122.80)(122.97)(123.14)(123.31)(123.48)(123.65)(123.82)(123.99)(124.16)(124.33)(124.50)(124.67)(124.84)(125.01)(125.18)(125.35)(125.52)(125.69)(125.86)(126.03)(126.20)(126.37)(126.54)(126.71)(126.88)(127.05)(127.22)(127.39)(127.56)(127.73)(127.90)(128.07)(128.24)(128.41)(128.58)(128.75)(128.92)(129.09)(129.26)(129.43)(129.60)(129.77)(129.94)(130.11)(130.28)(130.45)(130.62)(130.79)(130.96)(131.13)(131.30)(131.47)(131.64)(131.81)(131.98)(132.15)(132.32)(132.49)(132.66)(132.83)(133.00)(133.17)(133.34)(133.51)(133.68)(133.85)(134.02)(134.19)(134.36)(134.53)(134.70)(134.87)(135.04)(135.21)(135.38)(135.55)(135.72)(135.89)(136.06)(136.23)(136.40)(136.57)(136.74)(136.91)(137.08)(137.25)(137.42)(137.59)(137.76)(137.93)(138.10)(138.27)(138.44)(138.61)(138.78)(138.95)(139.12)(139.29)(139.46)(139.63)(139.80)(139.97)(140.14)(140.31)(140.48)(140.65)(140.82)(140.99)(141.16)(141.33)(141.50)(141.67)(141.84)(142.01)(142.18)(142.35)(142.52)(142.69)(142.86)(143.03)(143.20)(143.37)(143.54)(143.71)(143.88)(144.05)(144.22)(144.39)(144.56)(144.73)(144.90)(145.07)(145.24)(145.41)(145.58)(145.75)(145.92)(146.09)(146.26)(146.43)(146.60)(146.77)(146.94)(147.11)(147.28)(147.45)(147.62)(147.79)(147.96)(148.13)(148.30)(148.47)(148.64)(148.81)(148.98)(149.15)(149.32)(149.49)(149.66)(149.83)(149.99)(150.16)(150.33)(150.50)(150.67)(150.84)(151.01)(151.18)(151.35)(151.52)(151.69)(151.86)(152.03)(152.20)(152.37)(152.54)(152.71)(152.88)(153.05)(153.22)(153.39)(153.56)(153.73)(153.90)(154.07)(154.24)(154.41)(154.58)(154.75)(154.92)(155.09)(155.26)(155.43)(155.60)(155.77)(155.94)(156.11)(156.28)(156.45)(156.62)(156.79)(156.96)(157.13)(157.30)(157.47)(157.64)(157.81)(157.98)(158.15)(158.32)(158.49)(158.66)(158.83)(159.00)(159.17)(159.34)(159.51)(159.68)(159.85)(160.02)(160.19)(160.36)(160.53)(160.70)(160.87)(161.04)(161.21)(161.38)(161.55)(161.72)(161.89)(162.06)(162.23)(162.40)(162.57)(162.74)(162.91)(163.08)(163.25)(163.42)(163.59)(163.76)(163.93)(164.10)(164.27)(164.44)(164.61)(164.78)(164.95)(165.12)(165.29)(165.46)(165.63)(165.80)(165.97)(166.14)(166.31)(166.48)(166.65)(166.82)(166.99)(167.16)(167.33)(167.50)(167.67)(167.84)(168.01)(168.18)(168.35)(168.52)(168.69)(168.86)(169.03)(169.20)(169.37)(169.54)(169.71)(169.88)(170.05)(170.22)(170.39)(170.56)(170.73)(170.90)(171.07)(171.24)(171.41)(171.58)(171.75)(171.92)(172.09)(172.26)(172.43)(172.60)(172.77)(172.94)(173.11)(173.28)(173.45)(173.62)(173.79)(173.96)(174.13)(174.30)(174.47)(174.64)(174.81)(174.98)(175.15)(175.32)(175.49)(175.66)(175.83)(176.00)(176.17)(176.34)(176.51)(176.68)(176.85)(177.02)(177.19)(177.36)(177.53)(177.70)(177.87)(178.04)(178.21)(178.38)(178.55)(178.72)(178.89)(179.06)(179.23)(179.40)(179.57)(179.74)(179.91)(180.08)(180.25)(180.42)(180.59)(180.76)(180.93)(181.10)(181.27)(181.44)(181.61)(181.78)(181.95)(182.12)(182.29)(182.46)(182.63)(182.80)(182.97)(183.14)(183.31)(183.48)(183.65)(183.82)(183.99)(184.16)(184.33)(184.50)(184.67)(184.84)(185.01)(185.18)(185.35)(185.52)(185.69)(185.86)(186.03)(186.20)(186.37)(186.54)(186.71)(186.88)(187.05)(187.22)(187.39)(187.56)(187.73)(187.90)(188.07)(188.24)(188.41)(188.58)(188.75)(188.92)(189.09)(189.26)(189.43)(189.60)(189.77)(189.94)(190.11)(190.28)(190.45)(190.62)(190.79)(190.96)(191.13)(191.30)(191.47)(191.64)(191.81)(191.98)(192.15)(192.32)(192.49)(192.66)(192.83)(193.00)(193.17)(193.34)(193.51)(193.68)(193.85)(194.02)(194.19)(194.36)(194.53)(194.70)(194.87)(195.04)(195.21)(195.38)(195.55)(195.72)(195.89)(196.06)(196.23)(196.40)(196.57)(196.74)(196.91)(197.08)(197.25)(197.42)(197.59)(197.76)(197.93)(198.10)(198.27)(198.44)(198.61)(198.78)(198.95)(199.12)(199.29)(199.46)(199.63)(199.80)(200.00) | | | | | | | | | | | | | | |
| NO EGA | 50 | 89.3 | 93.4 | 92.7 | 91.6 | 93.7 | 96.3 | 87.4 | 98.3 | 100.7 | 105.1 | 110.9 | 115.6 | 118.3 | 117.4 |
| RDG. NO. | 53 | 91.4 | 92.7 | 94.4 | 94.4 | 96.0 | 87.4 | 99.3 | 102.4 | 107.4 | 113.5 | 118.7 | 120.1 | 117.7 | 165.1 |
| RADIAL 150. FT. | 80 | 92.2 | 93.0 | 94.2 | 95.5 | 97.1 | 89.0 | 100.6 | 104.0 | 109.0 | 116.8 | 120.8 | 121.2 | 118.0 | 165.1 |
| (46. M) | 100 | 94.3 | 95.1 | 95.8 | 97.6 | 98.7 | 90.8 | 102.5 | 106.1 | 111.8 | 118.7 | 122.1 | 122.0 | 118.6 | 166.8 |
| VEHICLE | 125 | 96.8 | 96.9 | 97.9 | 99.1 | 100.5 | 91.9 | 104.0 | 107.9 | 114.1 | 121.2 | 124.1 | 123.1 | 119.9 | 168.1 |
| CELL41 | 160 | 101.7 | 102.7 | 103.9 | 103.2 | 103.1 | 93.9 | 105.6 | 109.0 | 114.2 | 122.5 | 125.0 | 123.4 | 121.2 | 169.9 |
| CONFLS | 200 | 100.0 | 102.8 | 104.0 | 104.3 | 104.9 | 96.0 | 106.4 | 110.8 | 115.8 | 122.6 | 125.3 | 124.5 | 121.0 | 170.8 |
| LOC. C41 ANCH. CH | 250 | 98.9 | 100.9 | 101.4 | 101.9 | 103.0 | 95.1 | 107.0 | 110.4 | 115.7 | 122.5 | 125.7 | 124.4 | 120.1 | 171.4 |
| DATE 56-C1-76 | 315 | 100.2 | 101.7 | 103.2 | 102.7 | 104.1 | 94.9 | 108.1 | 111.7 | 115.7 | 121.8 | 125.2 | 122.4 | 117.4 | 171.6 |
| RUN CONFLSLOWFLWC | 400 | 100.0 | 101.1 | 102.6 | 103.6 | 105.0 | 95.6 | 108.0 | 112.9 | 116.3 | 120.4 | 123.4 | 120.5 | 115.6 | 170.6 |
| TAPE X03120 | 500 | 101.5 | 103.6 | 104.4 | 104.1 | 104.7 | 95.8 | 108.5 | 112.9 | 116.6 | 120.7 | 122.9 | 119.1 | 114.1 | 169.2 |
| BAR 29.3 HG | 630 | 101.9 | 103.4 | 103.7 | 103.5 | 104.3 | 95.7 | 108.1 | 112.7 | 115.7 | 119.8 | 120.5 | 116.9 | 112.2 | 168.9 |
| (9875. N/M2) | 800 | 101.5 | 104.6 | 104.8 | 104.1 | 105.2 | 96.6 | 108.2 | 112.9 | 115.6 | 118.4 | 119.6 | 115.8 | 111.8 | 167.5 |
| TAMB 64. DEG F | 1000 | 100.4 | 104.2 | 105.0 | 105.0 | 106.1 | 97.0 | 109.1 | 113.0 | 115.5 | 117.9 | 118.8 | 115.2 | 112.2 | 166.8 |
| (291. DEG K) | 1250 | 100.9 | 103.5 | 104.0 | 105.3 | 107.1 | 97.7 | 109.3 | 112.3 | 115.3 | 117.6 | 117.3 | 113.9 | 112.7 | 166.5 |
| TUET 62. DEG F | 1600 | 99.3 | 103.9 | 104.7 | 105.7 | 107.3 | 97.4 | 108.5 | 112.5 | 114.7 | 116.6 | 116.8 | 113.9 | 112.1 | 166.0 |
| (290. DEG K) | 2000 | 97.3 | 103.5 | 103.9 | 105.1 | 106.2 | 97.0 | 108.1 | 110.9 | 113.2 | 114.3 | 114.7 | 111.8 | 110.8 | 165.6 |
| WACT13.59 GM/M3 | 2500 | 96.7 | 102.7 | 103.9 | 105.6 | 106.9 | 96.5 | 107.7 | 109.8 | 112.9 | 113.4 | 114.0 | 110.8 | 111.0 | 163.9 |
| (.01359 KG/M3) | 3150 | 94.7 | 100.5 | 102.6 | 104.8 | 106.8 | 95.9 | 106.9 | 108.3 | 111.4 | 111.9 | 112.0 | 108.2 | 108.6 | 163.5 |
| FREQ. SHIFT | 4000 | 92.7 | 99.2 | 100.5 | 102.6 | 104.6 | 94.3 | 104.6 | 106.4 | 109.3 | 110.2 | 111.3 | 105.8 | 105.9 | 162.3 |
| JET 8 | 5000 | 92.3 | 99.1 | 101.0 | 102.8 | 105.3 | 94.5 | 104.2 | 106.5 | 109.3 | 109.9 | 111.4 | 107.0 | 105.7 | 162.3 |
| DIAMETER RATIO | 6300 | 89.3 | 96.6 | 100.2 | 101.7 | 102.6 | 92.3 | 102.3 | 106.1 | 108.2 | 109.8 | 110.6 | 105.2 | 103.6 | 161.1 |
| DF/DM 6.81 | 8000 | 85.7 | 93.0 | 97.4 | 99.3 | 98.9 | 89.2 | 99.7 | 102.8 | 105.7 | 109.2 | 109.8 | 103.3 | 99.5 | 160.6 |
| | 10000 | 83.6 | 90.9 | 96.2 | 98.0 | 97.5 | 87.7 | 98.0 | 100.8 | 103.0 | 110.3 | 109.6 | 101.6 | 97.9 | 159.8 |
| OVERALL CALCULATED | 12500 | 86.1 | 92.0 | 98.3 | 101.3 | 100.2 | 91.1 | 100.2 | 101.1 | 108.4 | 112.0 | 114.1 | 102.6 | 98.6 | 160.8 |
| | | 112.0 | 115.0 | 116.1 | 116.8 | 118.0 | 108.6 | 120.2 | 123.8 | 127.4 | 132.2 | 134.7 | 133.1 | 129.8 | 165.5 |
| PNDB | 122.0 | 126.7 | 128.0 | 129.3 | 130.8 | 132.8 | 131.9 | 134.8 | 138.0 | 140.6 | 142.2 | 139.6 | 137.2 | 131.2 | 181.2 |

6

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|-------------------------------------|
| 3 | 3/2 | 45.7m(150ft.) ARC | FULL - 33m ² (513sq.ft.) |

| OVERALL | CALCULATED | 81.0 | 85.0 | 87.2 | 88.4 | 89.9 | 81.1 | 92.9 | 96.3 | 99.5 | 104.0 | 105.1 | 101.3 | 94.2 |
|---------|------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|
| PMDB | | 85.8 | 91.3 | 96.1 | 96.1 | 98.1 | 88.8 | 100.2 | 103.2 | 105.5 | 108.4 | 108.8 | 103.9 | 95.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 3 | 3/2 | 731.5m(2400ft.) SIDELINE | FULL - 33m ² (513lb. ²) |

| PROC. DATE - MONTH 8 DAY 24 HR. 10.7 | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. P/L | | | | | | | | | | | | | | | | |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
| ROG. NO. | 80 | 80.1 | 89.7 | 87.7 | 88.7 | 90.3 | 90.4 | 91.5 | 92.7 | 93.4 | 95.0 | 98.9 | 98.4 | 100.9 | 135.9 | 136.3 |
| RADIAL (12. M) | 100 | 79.0 | 83.4 | 85.4 | 87.4 | 89.5 | 90.4 | 91.2 | 92.7 | 91.4 | 91.2 | 99.9 | 101.6 | 101.4 | 141.3 | 137.9 |
| VEHICLE | 125 | 80.4 | 82.9 | 85.0 | 86.0 | 86.5 | 87.2 | 87.0 | 90.0 | 91.9 | 97.2 | 101.9 | 103.1 | 104.4 | 141.3 | 141.3 |
| CELL41 | 200 | 82.8 | 83.3 | 84.5 | 87.1 | 87.7 | 88.5 | 89.7 | 92.3 | 95.8 | 99.9 | 104.1 | 107.8 | 108.3 | 144.3 | 144.3 |
| NC41 | 250 | 82.3 | 83.6 | 86.6 | 86.9 | 88.2 | 89.6 | 92.5 | 94.6 | 97.6 | 102.7 | 108.6 | 110.5 | 110.3 | 146.8 | 146.8 |
| LOC C41 ANECH CH | 315 | 83.9 | 87.7 | 86.7 | 88.7 | 91.6 | 92.2 | 93.6 | 96.0 | 99.7 | 105.5 | 111.0 | 113.4 | 112.4 | 148.7 | 148.7 |
| DATE 06-01-76 | 400 | 86.4 | 88.0 | 89.2 | 87.5 | 91.3 | 92.5 | 94.1 | 97.5 | 102.0 | 108.8 | 114.0 | 114.7 | 112.7 | 150.5 | 150.5 |
| RUN CONFLOWFLWC | 500 | 87.3 | 88.3 | 89.5 | 90.8 | 92.2 | 94.0 | 95.7 | 99.1 | 104.0 | 112.1 | 115.8 | 116.2 | 113.0 | 151.7 | 151.7 |
| TAPE XG3130 | 630 | 89.1 | 89.9 | 90.6 | 92.2 | 93.5 | 94.9 | 96.9 | 98.8 | 102.7 | 108.2 | 116.5 | 119.2 | 115.2 | 153.6 | 153.6 |
| BAR 29.3 HG | 800 | 91.9 | 91.7 | 92.7 | 94.4 | 95.5 | 96.9 | 98.8 | 102.7 | 108.2 | 116.5 | 119.2 | 118.1 | 115.2 | 154.2 | 154.2 |
| (08975. N/M2) | 1000 | 96.2 | 97.7 | 98.7 | 96.0 | 98.1 | 99.5 | 100.6 | 104.3 | 108.2 | 116.8 | 120.0 | 118.4 | 116.0 | 154.9 | 154.9 |
| TAMB 64. DEG F | 1250 | 95.3 | 97.8 | 99.3 | 99.4 | 99.9 | 100.6 | 101.9 | 105.1 | 109.6 | 117.4 | 120.1 | 120.3 | 115.8 | 154.8 | 154.8 |
| (291. DEG K) | 1600 | 94.1 | 95.2 | 96.2 | 97.0 | 98.1 | 99.9 | 101.3 | 105.0 | 109.9 | 117.5 | 120.5 | 119.4 | 115.2 | 153.6 | 153.6 |
| TWET 62. DEG F | 2000 | 95.2 | 96.2 | 97.7 | 97.5 | 98.3 | 99.7 | 102.6 | 106.3 | 110.2 | 116.6 | 119.3 | 117.2 | 112.5 | 152.7 | 152.7 |
| (290. DEG K) | 2500 | 95.0 | 96.1 | 97.8 | 98.1 | 99.7 | 100.3 | 102.7 | 106.9 | 110.3 | 115.7 | 118.4 | 115.5 | 110.1 | 152.3 | 152.3 |
| HACT13.46 GM/M3 | 3150 | 96.7 | 97.3 | 98.6 | 98.1 | 99.7 | 100.8 | 102.9 | 107.1 | 110.3 | 115.6 | 117.6 | 114.0 | 108.5 | 151.1 | 151.1 |
| (.01344 KG/M3) | 4000 | 96.5 | 98.1 | 97.9 | 99.2 | 99.2 | 100.1 | 102.4 | 107.4 | 109.8 | 115.2 | 115.1 | 111.8 | 106.8 | 150.2 | 150.2 |
| FREQ. SHIFT | 5000 | 96.9 | 99.2 | 98.0 | 99.2 | 99.6 | 100.7 | 102.8 | 107.5 | 109.7 | 113.6 | 114.0 | 110.7 | 106.4 | 149.9 | 149.9 |
| JET | 6300 | 95.4 | 98.5 | 99.3 | 99.6 | 100.6 | 101.8 | 103.1 | 106.8 | 110.0 | 112.7 | 113.1 | 110.0 | 106.5 | 149.5 | 149.5 |
| DIAMETER RATIO | 8000 | 95.0 | 97.1 | 97.6 | 99.1 | 101.2 | 102.1 | 103.7 | 106.4 | 109.4 | 112.5 | 111.7 | 108.8 | 106.6 | 148.9 | 148.9 |
| DF/DM 1 | 10000 | 93.4 | 97.5 | 98.1 | 98.6 | 101.4 | 101.5 | 102.6 | 106.1 | 108.6 | 111.2 | 110.4 | 108.2 | 105.5 | 147.6 | 147.6 |
| | 12500 | 91.5 | 96.5 | 97.6 | 98.6 | 99.6 | 100.3 | 101.5 | 104.3 | 106.4 | 109.1 | 108.7 | 106.3 | 103.5 | 147.2 | 147.2 |
| | 16000 | 89.8 | 95.1 | 96.5 | 98.4 | 100.0 | 99.3 | 100.8 | 103.4 | 105.7 | 107.0 | 107.1 | 104.9 | 102.6 | 145.7 | 145.7 |
| | 20000 | 86.7 | 92.5 | 93.6 | 95.6 | 95.5 | 95.2 | 95.2 | 96.8 | 100.7 | 102.3 | 102.7 | 102.0 | 99.4 | 145.7 | 145.7 |
| | 25000 | 83.5 | 89.8 | 90.7 | 93.0 | 95.5 | 92.9 | 93.2 | 95.5 | 97.8 | 99.1 | 100.5 | 97.7 | 95.5 | 144.5 | 144.5 |
| | 31500 | 81.0 | 87.6 | 89.2 | 91.7 | 93.7 | 92.9 | 93.2 | 95.5 | 97.8 | 99.1 | 100.5 | 97.7 | 93.9 | 144.3 | 144.3 |
| | 40000 | 75.8 | 82.4 | 86.0 | 87.8 | 89.1 | 88.4 | 88.3 | 91.9 | 93.8 | 96.8 | 98.2 | 93.3 | 89.1 | 143.3 | 143.3 |
| | 50000 | 68.6 | 75.4 | 79.4 | 81.7 | 81.8 | 82.1 | 82.3 | 85.2 | 87.7 | 92.6 | 93.2 | 87.8 | 82.6 | 143.9 | 143.9 |
| | 63000 | 62.2 | 68.1 | 73.1 | 76.1 | 75.6 | 75.8 | 75.7 | 78.2 | 81.4 | 88.2 | 87.5 | 79.5 | 76.1 | 143.9 | 143.9 |
| | 80000 | 56.8 | 62.0 | 68.3 | 71.7 | 70.9 | 71.6 | 70.9 | 72.3 | 77.8 | 84.4 | 84.3 | 73.3 | 72.6 | 149.4 | 149.4 |
| OVERALL MEASURED | | 106.7 | 109.0 | 109.9 | 110.4 | 111.8 | 112.5 | 114.2 | 117.8 | 121.2 | 127.0 | 129.4 | 128.3 | 124.9 | 164.8 | 164.8 |
| OVERALL CALCULATED | | 119.6 | 121.3 | 121.9 | 122.1 | 123.4 | 124.5 | 126.4 | 130.4 | 133.6 | 139.1 | 141.2 | 139.2 | 135.5 | | |
| PND8 | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 3/3 ACQUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-71.3cm²(11.1in²)

PROC. DATE - MONTH 8 DAY 24 HR. 12.1
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| ANGLES FROM INLET IN DEGREES (AMP RADIANS) | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) |
| 50 | 89.1 | 92.9 | 91.9 | 93.9 | 96.8 | 97.4 | 98.8 | 101.2 | 104.9 | 110.7 | 116.1 | 118.6 | 117.6 | 163.4 |
| 63 | 91.6 | 93.2 | 94.4 | 94.7 | 96.5 | 97.7 | 99.3 | 102.7 | 107.2 | 114.0 | 119.2 | 119.9 | 117.9 | 165.3 |
| 80 | 92.5 | 93.5 | 94.7 | 96.0 | 97.4 | 99.2 | 100.9 | 104.3 | 109.2 | 117.3 | 121.0 | 121.4 | 118.2 | 167.1 |
| 100 | 94.3 | 95.1 | 95.8 | 97.4 | 98.7 | 100.1 | 102.5 | 105.4 | 111.3 | 119.2 | 122.4 | 123.3 | 119.1 | 168.4 |
| 125 | 97.1 | 96.9 | 97.9 | 99.6 | 100.7 | 102.1 | 104.0 | 107.9 | 113.4 | 121.7 | 124.4 | 123.3 | 120.4 | 170.2 |
| 160 | 101.4 | 102.9 | 103.9 | 103.2 | 103.3 | 104.7 | 105.8 | 109.5 | 113.4 | 122.0 | 125.2 | 123.6 | 121.2 | 170.9 |
| 200 | 100.5 | 103.0 | 104.5 | 104.6 | 105.2 | 105.8 | 107.2 | 110.3 | 114.8 | 122.6 | 125.3 | 125.5 | 121.0 | 171.6 |
| 250 | 99.4 | 100.4 | 101.4 | 102.2 | 103.3 | 105.1 | 106.5 | 110.2 | 115.2 | 122.7 | 125.7 | 124.6 | 120.4 | 171.5 |
| 315 | 100.4 | 101.4 | 103.0 | 102.7 | 103.6 | 104.9 | 107.8 | 111.5 | 115.5 | 121.8 | 124.5 | 122.4 | 117.7 | 170.3 |
| 400 | 100.3 | 101.3 | 103.1 | 103.4 | 105.0 | 105.6 | 108.0 | 112.1 | 115.6 | 120.9 | 123.6 | 120.8 | 115.3 | 169.4 |
| 500 | 102.0 | 102.6 | 103.9 | 103.4 | 105.0 | 106.1 | 108.2 | 112.9 | 115.6 | 120.9 | 122.9 | 119.3 | 113.8 | 168.9 |
| 630 | 101.9 | 103.4 | 103.4 | 103.2 | 104.6 | 105.4 | 107.8 | 112.7 | 115.2 | 120.5 | 120.5 | 117.1 | 112.2 | 167.7 |
| 800 | 102.3 | 104.6 | 104.3 | 104.6 | 104.9 | 106.1 | 108.2 | 112.9 | 115.1 | 118.9 | 119.4 | 116.0 | 111.8 | 166.9 |
| 1000 | 100.9 | 104.0 | 104.8 | 105.0 | 106.1 | 107.2 | 108.6 | 112.3 | 115.5 | 118.1 | 118.6 | 115.5 | 112.0 | 166.5 |
| 1250 | 100.6 | 102.7 | 103.3 | 104.5 | 106.8 | 107.7 | 109.3 | 112.0 | 115.0 | 118.1 | 117.3 | 114.5 | 112.2 | 166.2 |
| 1600 | 99.3 | 103.4 | 104.0 | 104.5 | 107.3 | 107.6 | 108.5 | 112.0 | 114.5 | 117.1 | 116.3 | 114.1 | 111.4 | 165.9 |
| 2000 | 97.8 | 102.8 | 103.9 | 104.9 | 105.9 | 106.5 | 107.8 | 110.6 | 112.7 | 115.3 | 115.0 | 112.6 | 109.8 | 165.6 |
| 2500 | 96.7 | 102.0 | 103.4 | 105.4 | 106.9 | 106.2 | 107.7 | 110.6 | 112.7 | 113.9 | 114.0 | 111.8 | 109.5 | 164.3 |
| 3150 | 94.5 | 100.3 | 101.4 | 103.3 | 106.8 | 105.4 | 106.6 | 108.6 | 110.9 | 112.4 | 111.6 | 109.7 | 107.1 | 162.4 |
| 4000 | 92.4 | 98.7 | 99.6 | 101.9 | 104.4 | 104.1 | 104.1 | 105.7 | 109.6 | 111.2 | 111.5 | 106.6 | 104.4 | 162.4 |
| 5000 | 91.9 | 98.4 | 100.1 | 102.5 | 104.6 | 103.8 | 104.0 | 106.3 | 108.6 | 109.9 | 111.4 | 108.5 | 104.8 | 161.2 |
| 6300 | 89.3 | 95.9 | 99.5 | 101.3 | 102.6 | 101.9 | 101.9 | 103.4 | 107.3 | 110.3 | 111.7 | 106.8 | 102.6 | 161.1 |
| 8000 | 85.5 | 92.3 | 96.3 | 98.6 | 98.7 | 99.0 | 99.2 | 102.1 | 104.5 | 109.5 | 110.1 | 104.7 | 99.5 | 159.9 |
| 10000 | 84.1 | 90.0 | 95.1 | 98.0 | 97.6 | 97.8 | 97.6 | 100.1 | 103.4 | 110.1 | 109.5 | 101.4 | 98.0 | 160.6 |
| 12500 | 86.2 | 91.4 | 97.7 | 101.1 | 100.3 | 101.0 | 100.3 | 101.7 | 107.2 | 113.9 | 113.8 | 102.7 | 102.0 | 166.1 |
| OVERALL CALCULATED | 112.2 | 114.7 | 115.7 | 116.6 | 118.0 | 118.5 | 120.0 | 123.5 | 126.9 | 132.5 | 134.7 | 133.4 | 129.9 | 181.3 |
| PM88 | 122.1 | 126.1 | 127.5 | 128.9 | 130.8 | 130.5 | 131.8 | 134.8 | 137.6 | 141.1 | 142.1 | 140.0 | 136.5 | |

NO EGA

RADIAL 150. FT.

(45. M)

VEHICLE CELL 41

CONFIG NC41

LOC C41 ANECH CH

DATE 06-01-76

RUN CONF3LOWFLWC

TAPE X03130

BAR 29.3 MG

(98975. N/M2)

TAMB 64. DEG F

(291. DEG K)

TWET 62. DEG F

(290. DEG K)

MACT13.44 GM/M3

(.01344 KG/M3)

FREQ. SHIFT

JET 8

DIAMETER RATIO

OF/DW 6.81

OVERALL CALCULATED

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 3/3 ACOUSTIC RANGE 45.7m(150ft.) ARC

SIZE FULL-33m(513in.)

PROC. DATE - MONTH 8 DAY 24 HR. 12.1

| FULL SIZE SOUND PRESSURE | | | | | | | | | |
|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
| LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| NO EGA | (0.70)(0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) |
| SIDELINE 2400. FT. | 63 | 63.4 | 66.3 | 66.4 | 69.1 | 72.4 | 73.1 | 74.4 | 79.4 |
| (731.52 M) | 80 | 64.1 | 66.7 | 69.1 | 71.1 | 72.9 | 73.4 | 74.9 | 81.6 |
| NFA | 100 | 65.9 | 68.3 | 70.1 | 72.4 | 74.2 | 74.9 | 76.4 | 83.6 |
| (1. RPM) | 125 | 68.5 | 69.9 | 72.1 | 74.6 | 76.1 | 77.6 | 79.4 | 85.6 |
| NFK | 160 | 72.7 | 75.9 | 78.0 | 80.1 | 81.1 | 82.8 | 87.6 | 94.7 |
| (0. RAD/SEC) | 200 | 71.5 | 75.8 | 78.5 | 80.3 | 81.0 | 82.3 | 87.5 | 94.9 |
| MFD | 250 | 70.1 | 72.9 | 75.1 | 76.7 | 78.2 | 80.3 | 85.0 | 92.5 |
| (7500. RPM) | 315 | 70.9 | 73.7 | 76.4 | 77.0 | 78.3 | 81.5 | 84.7 | 95.4 |
| (785. RAD/SEC) | 400 | 70.3 | 73.2 | 76.2 | 77.4 | 79.4 | 82.6 | 85.8 | 95.3 |
| AIRFLOW RATIO | 500 | 71.5 | 74.0 | 76.6 | 77.0 | 79.1 | 80.2 | 86.1 | 94.0 |
| WF/WM 6.81 | 630 | 70.7 | 74.3 | 75.6 | 76.4 | 78.2 | 82.3 | 86.0 | 92.8 |
| VEHICLE | 800 | 70.1 | 74.7 | 75.9 | 77.2 | 78.1 | 81.5 | 85.9 | 91.4 |
| CELL 41 | 1000 | 67.7 | 73.2 | 75.6 | 76.9 | 78.5 | 81.0 | 86.3 | 87.5 |
| LOC C41 ANECH CH | 1250 | 66.1 | 70.8 | 73.1 | 75.7 | 78.4 | 81.0 | 86.3 | 87.5 |
| DATE 06-01-76 | 1600 | 62.8 | 69.9 | 72.4 | 74.1 | 77.6 | 79.5 | 83.0 | 85.4 |
| RUN CONF3LOWFLWC | 2000 | 59.0 | 67.3 | 70.6 | 73.0 | 74.8 | 75.6 | 76.7 | 79.4 |
| TAPE X03130 | 2500 | 54.6 | 63.7 | 67.7 | 71.2 | 73.6 | 73.2 | 74.4 | 76.2 |
| FAN TIP SPEED | 3150 | 47.0 | 57.6 | 61.7 | 65.5 | 70.1 | 69.0 | 69.9 | 70.8 |
| FT/SEC | 4000 | 36.8 | 49.2 | 54.0 | 58.7 | 62.5 | 62.6 | 62.5 | 64.0 |
| | 5000 | 31.6 | 43.1 | 51.1 | 56.2 | 59.7 | 59.4 | 59.1 | 60.0 |
| | 6300 | 15.3 | 31.1 | 40.4 | 45.7 | 48.9 | 48.8 | 48.2 | 45.5 |
| | 8000 | 10.0 | 21.7 | 28.9 | 31.6 | 32.7 | 32.1 | 32.4 | 27.1 |
| | 10000 | | 8.6 | 11.7 | 13.0 | 11.7 | 10.7 | 7.3 | 3.3 |
| OVERALL CALCULATED | 81.2 | 84.8 | 87.1 | 88.3 | 90.0 | 91.1 | 92.8 | 96.1 | 98.9 |
| PMDB | 86.1 | 90.9 | 93.7 | 95.8 | 98.1 | 98.8 | 100.1 | 102.9 | 104.9 |
| | | | | | | | | | 104.2 |
| | | | | | | | | | 105.1 |
| | | | | | | | | | 101.6 |
| | | | | | | | | | 94.4 |
| | | | | | | | | | 95.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION ³ TEST POINT ^{3/3} ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in.²)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (0.) | (0.) | (0.) | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| NO EGA | | | | | | | | | | | | | | | | | | |
| RDG. NO. C. | 50 | 89.1 | 93.1 | 92.4 | 94.2 | 96.8 | 97.1 | 98.3 | 101.2 | 105.4 | 110.7 | 116.1 | 118.8 | 117.6 | | | | 163.5 |
| RADIAL 150. FT. | 63 | 91.9 | 93.2 | 94.7 | 95.2 | 97.0 | 98.4 | 99.8 | 103.2 | 107.7 | 114.5 | 119.2 | 120.4 | 118.2 | | | | 165.6 |
| (46. M) | 80 | 93.2 | 93.5 | 95.0 | 96.0 | 97.9 | 99.5 | 101.4 | 104.8 | 109.2 | 117.6 | 121.5 | 121.9 | 119.0 | | | | 167.6 |
| VEHICLE CELL# | 100 | 94.6 | 95.8 | 96.3 | 97.4 | 99.0 | 100.6 | 102.5 | 106.1 | 111.6 | 119.2 | 122.9 | 123.3 | 120.1 | | | | 169.0 |
| CONFIG NC41 | 125 | 97.1 | 97.1 | 98.4 | 99.1 | 100.7 | 102.1 | 104.2 | 108.1 | 112.9 | 120.9 | 124.9 | 124.1 | 121.6 | | | | 170.5 |
| LOC C41 ANCH CH | 160 | 101.7 | 103.2 | 103.4 | 103.8 | 105.9 | 107.3 | 109.2 | 113.4 | 121.0 | 125.0 | 124.1 | 122.2 | | | | | 170.8 |
| DATE 06-01-76 | 200 | 99.5 | 102.0 | 103.8 | 103.3 | 104.2 | 105.8 | 106.9 | 110.8 | 114.5 | 120.9 | 124.6 | 125.0 | 121.8 | | | | 170.9 |
| RUN CONFSLOWFLWC | 250 | 98.6 | 100.9 | 100.7 | 101.7 | 103.0 | 104.9 | 106.5 | 110.2 | 114.7 | 120.0 | 124.4 | 124.6 | 121.6 | | | | 170.5 |
| TAPE X0314D | 315 | 100.2 | 101.4 | 103.0 | 102.5 | 103.3 | 104.9 | 107.3 | 111.2 | 115.7 | 119.3 | 123.7 | 123.2 | 118.7 | | | | 169.7 |
| BAR 29.3 HG | 400 | 99.8 | 100.6 | 102.3 | 103.4 | 104.5 | 105.1 | 107.5 | 111.9 | 115.8 | 118.7 | 122.9 | 121.3 | 116.8 | | | | 168.8 |
| (93975. N/M2) | 500 | 100.5 | 101.6 | 102.9 | 102.5 | 103.8 | 105.2 | 107.5 | 112.2 | 115.9 | 119.0 | 120.0 | 117.6 | 112.9 | | | | 168.3 |
| TANG 63. DEG F | 630 | 101.4 | 102.7 | 102.9 | 102.5 | 103.8 | 105.2 | 107.5 | 112.2 | 115.9 | 119.0 | 120.0 | 117.6 | 112.9 | | | | 167.1 |
| (290. DEG A) | 800 | 102.5 | 104.6 | 103.8 | 103.6 | 104.2 | 105.3 | 107.7 | 112.4 | 115.9 | 117.7 | 119.1 | 117.0 | 112.8 | | | | 166.5 |
| THET 61. DEG K | 1000 | 100.9 | 104.0 | 105.0 | 105.0 | 105.1 | 106.5 | 108.9 | 111.3 | 115.3 | 117.9 | 118.1 | 116.0 | 112.2 | | | | 166.3 |
| MACT13.12 GM/M3 | 1250 | 100.6 | 102.7 | 104.0 | 105.3 | 105.6 | 107.2 | 108.9 | 112.0 | 115.0 | 116.9 | 117.1 | 115.5 | 112.0 | | | | 165.9 |
| (C.01312 KG/M3) | 1600 | 99.0 | 103.9 | 104.0 | 105.2 | 107.5 | 107.1 | 108.3 | 112.2 | 114.0 | 116.6 | 116.0 | 114.4 | 111.4 | | | | 165.6 |
| FREQ. SHIF | 2000 | 97.8 | 103.0 | 103.7 | 104.9 | 106.2 | 106.5 | 108.1 | 110.6 | 112.4 | 114.6 | 114.7 | 112.8 | 110.3 | | | | 164.1 |
| JET 8 | 2500 | 96.7 | 102.5 | 103.4 | 105.6 | 106.7 | 106.5 | 108.0 | 110.1 | 112.4 | 113.4 | 113.8 | 112.3 | 109.8 | | | | 163.7 |
| DIAMETER RATIO | 3150 | 95.3 | 100.3 | 102.2 | 103.8 | 106.8 | 105.6 | 107.4 | 108.1 | 111.2 | 111.7 | 110.8 | 109.5 | 108.1 | | | | 162.3 |
| DP/DW 6.81 | 4000 | 92.4 | 99.0 | 99.8 | 102.2 | 104.1 | 104.1 | 104.1 | 105.9 | 109.6 | 109.5 | 110.1 | 106.9 | 105.2 | | | | 160.6 |
| OVERALL CALCULATED | 5000 | 92.2 | 98.5 | 100.4 | 102.6 | 104.9 | 104.1 | 104.3 | 106.1 | 108.7 | 109.5 | 109.7 | 107.6 | 106.1 | | | | 160.8 |
| | 6300 | 89.4 | 96.4 | 99.0 | 101.1 | 102.4 | 102.2 | 102.4 | 105.5 | 107.3 | 110.2 | 110.5 | 106.4 | 104.2 | | | | 160.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|-----------------------------------|
| 3 | 3/4 | 45.7m(150ft.) ARC | FULL-33m ² (513sq.ft.) |

PROC. DATE - MONTH 8 DAY 24 HR. 12.1

| FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FREQ. | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | |
| (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.)(| | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **3** TEST POINT **3/4** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **FULL-33m²(513in.²)** SIZE

NO EGA

(12. M)

CONFIDENTIAL

DATE 06-01-76

36V1
JAN 7 1974

29.3 HG

TAM 64. DEG F

13M1 62. DEG F

FACT 13.59 GM/M3

FREQ. SHIFT

DIAMETER RATIO

[illegible]

OVERALL CALCULATIONS

| Circumstance | Percentage (%) |
|---------------------------|----------------|
| (a) self-defense | 95 |
| (b) defense of others | 85 |
| (c) defense of property | 75 |
| (d) defense of a business | 65 |
| (e) defense of a country | 15 |

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10⁶ cells/ml (○), 10⁷ cells/ml (□), 10⁸ cells/ml (△), and 10⁹ cells/ml (◇). The error bars represent the standard deviation of three independent experiments.

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 3 | 311 | 12.2m(40ft.) ARC |

MODEL-71.3cm²(11.1in²)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| NO EGA | 57.4 | 62.5 | 62.6 | 65.6 | 67.9 | 68.9 | 69.9 | 72.6 | 75.4 | 79.6 | 83.2 | 82.9 | 78.7 |
| SIDELINE 2400. FT. | 63 | 59.6 | 65.6 | 66.4 | 68.9 | 69.9 | 71.4 | 74.4 | 77.4 | 83.3 | 86.2 | 86.6 | 80.1 |
| (731.52 M) | 80 | 60.6 | 65.6 | 67.1 | 68.9 | 71.4 | 72.6 | 75.9 | 79.4 | 85.8 | 87.9 | 86.3 | 80.0 |
| NFA | 100 | 61.4 | 65.0 | 66.6 | 68.7 | 70.7 | 72.2 | 74.2 | 77.4 | 81.9 | 87.8 | 89.7 | 80.9 |
| (1. RPM | 125 | 63.8 | 66.4 | 68.1 | 70.3 | 72.6 | 74.3 | 76.1 | 78.6 | 83.8 | 90.2 | 91.6 | 85.9 |
| (0. RAD/SEC) | 160 | 68.2 | 71.1 | 73.0 | 73.8 | 75.3 | 75.6 | 76.8 | 80.1 | 83.8 | 90.2 | 91.7 | 88.7 |
| NFK | 200 | 67.0 | 71.3 | 73.5 | 74.5 | 75.5 | 77.0 | 78.3 | 81.8 | 84.7 | 89.6 | 91.9 | 90.3 |
| (1. RPM | 250 | 65.9 | 68.9 | 70.9 | 72.7 | 74.5 | 76.8 | 77.7 | 80.4 | 84.6 | 89.5 | 91.0 | 89.1 |
| (0. RAD/SEC) | 315 | 66.4 | 69.2 | 72.2 | 75.1 | 75.8 | 78.6 | 81.5 | 83.9 | 87.8 | 89.4 | 86.7 | 79.2 |
| NFO | 400 | 65.0 | 67.9 | 71.2 | 73.4 | 75.2 | 76.4 | 78.2 | 81.9 | 84.5 | 86.0 | 87.4 | 84.3 |
| (785. RAD/SEC) | 500 | 64.8 | 68.5 | 71.4 | 72.5 | 74.8 | 75.9 | 77.8 | 81.5 | 84.4 | 85.4 | 86.4 | 82.3 |
| AIRFLOW RATIO | 630 | 63.2 | 67.0 | 70.5 | 71.6 | 73.2 | 75.3 | 77.7 | 80.6 | 83.5 | 84.2 | 84.5 | 79.0 |
| WFPM 6.81 | 800 | 62.4 | 66.6 | 69.4 | 71.4 | 73.1 | 74.8 | 76.8 | 80.4 | 82.4 | 82.6 | 83.0 | 76.7 |
| VEHICLE | 1000 | 61.2 | 67.2 | 68.8 | 70.9 | 72.8 | 75.1 | 76.8 | 79.4 | 81.1 | 81.9 | 81.1 | 74.8 |
| CELL41 | 1250 | 60.3 | 67.3 | 68.6 | 70.5 | 72.7 | 74.2 | 76.2 | 78.5 | 79.8 | 80.7 | 79.0 | 72.5 |
| CONFIG | 1600 | 58.0 | 68.1 | 68.9 | 69.8 | 72.3 | 71.9 | 74.1 | 76.8 | 78.4 | 78.1 | 76.8 | 69.4 |
| LLOC C41 ANECN CH | 2000 | 55.2 | 65.1 | 66.1 | 68.7 | 70.3 | 70.9 | 72.2 | 74.0 | 74.6 | 74.4 | 72.7 | 65.8 |
| DATE 06-01-76 | 2500 | 50.3 | 61.7 | 64.9 | 67.2 | 69.3 | 68.5 | 69.1 | 70.9 | 72.7 | 71.1 | 68.6 | 59.2 |
| RUN CONFLOWFLWC | 3150 | 42.4 | 54.5 | 58.9 | 62.0 | 66.0 | 65.0 | 64.9 | 65.8 | 67.5 | 63.4 | 60.0 | 50.6 |
| TAPE X03160 | 4000 | 32.5 | 46.5 | 50.7 | 54.9 | 58.2 | 58.3 | 58.2 | 57.9 | 59.2 | 54.5 | 50.6 | 37.3 |
| FAN TIP SPEED | 5000 | 27.0 | 41.8 | 47.8 | 51.7 | 56.2 | 55.1 | 54.9 | 55.5 | 55.3 | 50.3 | 45.3 | 31.9 |
| FT/SEC | 6300 | 10.5 | 27.3 | 36.3 | 41.4 | 43.9 | 44.3 | 43.9 | 43.0 | 43.6 | 38.5 | 32.3 | 12.5 |
| | 8000 | 6.4 | 18.2 | 24.0 | 26.0 | 27.4 | 26.8 | 27.8 | 24.5 | 17.8 | 8.9 | | |
| | 10000 | | | 2.0 | 4.6 | 6.9 | 4.9 | 5.3 | 0.5 | | | | |
| | 12500 | | | | | | | | | | | | |
| OVERALL CALCULATED | 76.0 | 80.0 | 82.3 | 83.7 | 85.6 | 86.9 | 88.7 | 91.7 | 94.7 | 98.7 | 100.2 | 97.8 | 91.1 |
| PWDB | 80.3 | 87.4 | 89.9 | 91.5 | 93.7 | 94.2 | 95.6 | 98.3 | 100.6 | 102.9 | 103.7 | 100.5 | 92.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **3** TEST POINT **3/L** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **FULL-.33m²(513in.²)** SIZE

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 3 | 317 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11. lin ²) |

ANGLES FROM INLET IN DEGREES (AND RADIAN)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 9. | 0. | PUL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. | (0. |
| NO EGA | 50 | 86.1 | 89.6 | 88.9 | 90.9 | 93.0 | 94.1 | 94.8 | 97.7 | 100.9 | 106.7 | 112.1 | 114.3 | 113.1 | | | 159.3 |
| RDG. NO. 0. | 63 | 88.1 | 89.7 | 91.4 | 91.2 | 93.3 | 94.4 | 96.0 | 99.4 | 102.9 | 106.2 | 114.9 | 115.9 | 113.7 | | | 161.1 |
| RADIAL 150. FT. | 80 | 89.2 | 89.7 | 91.5 | 92.3 | 93.9 | 95.7 | 97.4 | 100.8 | 105.0 | 112.1 | 117.3 | 118.2 | 114.7 | | | 163.3 |
| (66. M) | 100 | 90.1 | 92.1 | 92.8 | 94.1 | 95.5 | 97.1 | 99.5 | 102.1 | 106.8 | 113.9 | 119.1 | 119.0 | 116.1 | | | 164.8 |
| VEHICLE CELL41 | 125 | 93.1 | 93.4 | 94.4 | 95.4 | 97.5 | 98.4 | 101.0 | 104.1 | 108.6 | 115.7 | 120.6 | 120.3 | 117.6 | | | 166.3 |
| CONFIG NCL1 | 160 | 97.9 | 98.2 | 99.4 | 98.0 | 100.3 | 100.2 | 102.1 | 105.2 | 109.2 | 115.8 | 121.2 | 120.4 | 117.9 | | | 166.7 |
| LOC C41 AMECH CN | 200 | 95.7 | 98.0 | 99.3 | 99.3 | 100.4 | 102.3 | 102.4 | 106.8 | 110.3 | 115.4 | 120.6 | 121.7 | 118.0 | | | 166.9 |
| DATE 06-01-76 | 250 | 94.6 | 96.4 | 97.4 | 97.4 | 99.0 | 101.6 | 103.0 | 105.9 | 110.9 | 114.0 | 119.7 | 120.4 | 117.6 | | | 166.0 |
| RUN CONFLOWFLWC | 315 | 95.7 | 97.2 | 98.2 | 98.5 | 99.6 | 101.2 | 103.6 | 107.0 | 111.0 | 113.3 | 116.5 | 119.2 | 115.2 | | | 164.9 |
| TAPE X03170 | 400 | 94.8 | 96.1 | 97.6 | 98.9 | 100.2 | 101.3 | 104.0 | 108.1 | 111.1 | 111.7 | 116.6 | 118.0 | 113.3 | | | 163.8 |
| BAR 29.3 HG | 500 | 94.8 | 96.6 | 98.6 | 98.9 | 100.2 | 101.8 | 103.7 | 107.9 | 111.4 | 112.7 | 116.4 | 116.3 | 112.3 | | | 163.6 |
| (98975- N/M2) | 630 | 93.9 | 96.4 | 97.7 | 97.7 | 99.3 | 101.4 | 103.3 | 107.5 | 110.4 | 112.3 | 115.7 | 114.4 | 108.9 | | | 162.6 |
| TAMB 66. DEG F | 800 | 95.0 | 96.6 | 97.1 | 98.6 | 100.2 | 102.1 | 103.7 | 107.4 | 110.6 | 111.4 | 115.1 | 113.3 | 109.1 | | | 161.9 |
| (291. DEG K) | 1000 | 93.9 | 97.5 | 97.8 | 98.5 | 100.6 | 102.2 | 104.1 | 107.8 | 110.5 | 111.4 | 115.1 | 113.7 | 109.7 | | | 162.1 |
| TWET 62. DEG F | 1250 | 93.9 | 98.0 | 97.8 | 98.8 | 100.6 | 102.0 | 104.6 | 107.5 | 109.8 | 111.6 | 113.6 | 113.4 | 110.1 | | | 161.3 |
| (290. DEG K) | 1600 | 93.5 | 99.6 | 99.2 | 99.7 | 101.3 | 101.4 | 103.8 | 107.5 | 109.5 | 110.9 | 112.5 | 113.4 | 110.1 | | | 161.3 |
| MACT13.59 GH/M3 | 2000 | 92.0 | 98.8 | 99.7 | 100.1 | 100.9 | 101.3 | 102.8 | 105.6 | 108.4 | 109.1 | 111.0 | 112.3 | 109.5 | | | 160.2 |
| (.01359 KG/M3) | 2500 | 91.0 | 97.7 | 98.4 | 100.6 | 101.6 | 101.2 | 102.9 | 105.8 | 108.2 | 107.9 | 110.3 | 111.5 | 108.7 | | | 159.9 |
| FREQ. SHIFT | 3150 | 89.0 | 95.0 | 97.1 | 98.5 | 101.8 | 101.1 | 101.9 | 103.8 | 106.9 | 105.4 | 107.3 | 109.5 | 106.6 | | | 158.2 |
| JET | 4000 | 86.7 | 93.7 | 95.3 | 96.6 | 99.1 | 98.8 | 99.8 | 101.4 | 103.3 | 103.9 | 106.8 | 106.1 | 104.1 | | | 156.6 |
| DIAMETER RATIO | 5000 | 86.1 | 93.1 | 95.5 | 97.3 | 99.3 | 98.5 | 99.2 | 101.5 | 104.6 | 102.9 | 106.1 | 107.0 | 103.5 | | | 156.5 |
| DF/DH 6.81 | 6300 | 83.8 | 90.6 | 94.4 | 95.5 | 96.6 | 96.6 | 97.1 | 100.9 | 102.7 | 101.8 | 104.9 | 105.2 | 101.8 | | | 153.5 |
| | 8000 | 81.4 | 87.0 | 91.4 | 92.3 | 92.1 | 93.2 | 93.2 | 97.1 | 99.0 | 99.2 | 103.3 | 101.8 | 97.7 | | | 153.6 |
| | 10000 | 81.0 | 84.9 | 90.5 | 89.7 | 89.7 | 90.4 | 90.5 | 94.8 | 97.8 | 99.0 | 102.6 | 98.6 | 97.4 | | | 153.2 |
| | 12500 | 85.1 | 88.3 | 94.3 | 91.8 | 91.0 | 91.9 | 92.0 | 95.6 | 98.9 | 101.7 | 104.4 | 98.1 | 101.1 | | | 156.8 |
| OVERALL CALCULATED | 106.5 | 109.6 | 110.7 | 111.4 | 113.0 | 113.9 | 115.6 | 119.0 | 122.3 | 125.3 | 129.9 | 130.2 | 127.0 | | | | 176.6 |
| PWDB | 116.4 | 121.4 | 122.6 | 123.9 | 125.7 | 125.9 | 127.2 | 130.3 | 133.1 | 134.1 | 137.5 | 138.0 | 134.9 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION ³ TEST POINT ^{3/7} ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in.²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|----------------------------------|
| | | 731 5m(2400ft.) | FULL - 33m (513in.) ² |

| FREQ. | NO EGA | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | PWL |
|-------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--|-----|
| | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | | | |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | | |
| 50 | 75.9 | 85.9 | 83.7 | 84.7 | 86.3 | 87.2 | 86.8 | 88.5 | 88.7 | 91.0 | 95.2 | 93.9 | 96.4 | | |
| 63 | 75.8 | 79.9 | 81.9 | 83.9 | 86.2 | 86.6 | 87.2 | 88.9 | 88.6 | 86.7 | 95.6 | 97.3 | 96.6 | | |
| 80 | 76.9 | 79.7 | 82.2 | 82.5 | 83.3 | 83.7 | 83.5 | 86.2 | 88.4 | 93.5 | 97.7 | 98.4 | 99.9 | | |
| 100 | 79.3 | 79.8 | 81.5 | 83.3 | 84.2 | 85.0 | 85.9 | 89.1 | 91.8 | 95.9 | 99.8 | 103.3 | 104.0 | | |
| 125 | 79.1 | 82.1 | 83.6 | 83.1 | 85.0 | 86.3 | 88.5 | 90.6 | 93.1 | 98.7 | 104.4 | 105.5 | 105.6 | | |
| 150 | 80.9 | 86.2 | 83.7 | 85.7 | 87.8 | 88.4 | 89.8 | 92.5 | 95.9 | 101.8 | 106.2 | 108.6 | 107.9 | | |
| 175 | 83.2 | 84.7 | 86.0 | 86.5 | 88.3 | 89.2 | 90.8 | 94.3 | 98.5 | 105.0 | 109.7 | 110.2 | 109.2 | | |
| 200 | 83.8 | 84.5 | 86.5 | 87.1 | 88.7 | 90.8 | 92.2 | 95.3 | 99.8 | 108.1 | 111.8 | 112.5 | 109.8 | | |
| 250 | 85.1 | 87.1 | 87.1 | 88.2 | 90.5 | 91.6 | 93.8 | 96.9 | 101.9 | 109.5 | 113.2 | 113.6 | 110.9 | | |
| 300 | 87.9 | 88.2 | 88.9 | 90.4 | 92.0 | 92.9 | 95.3 | 98.7 | 103.2 | 111.0 | 115.4 | 115.1 | 112.7 | | |
| 350 | 91.7 | 92.5 | 93.0 | 93.0 | 94.4 | 94.2 | 96.6 | 100.0 | 103.5 | 110.8 | 115.0 | 113.9 | 112.5 | | |
| 400 | 90.3 | 91.8 | 93.3 | 93.4 | 94.2 | 96.3 | 97.2 | 100.9 | 104.1 | 109.9 | 114.1 | 114.5 | 111.6 | | |
| 450 | 89.6 | 91.4 | 91.4 | 92.5 | 94.1 | 95.7 | 97.3 | 100.2 | 104.7 | 109.0 | 112.7 | 113.4 | 110.7 | | |
| 500 | 90.2 | 91.5 | 93.2 | 92.8 | 94.6 | 95.7 | 97.8 | 101.5 | 104.7 | 108.3 | 111.8 | 112.4 | 108.7 | | |
| 550 | 89.3 | 90.6 | 92.6 | 93.1 | 95.2 | 95.6 | 98.0 | 102.1 | 105.3 | 107.4 | 110.1 | 111.0 | 107.1 | | |
| 600 | 89.2 | 91.5 | 93.1 | 93.1 | 95.2 | 96.3 | 98.4 | 102.1 | 105.3 | 107.4 | 110.1 | 109.5 | 106.3 | | |
| 650 | 88.5 | 90.8 | 92.1 | 92.1 | 93.9 | 95.1 | 97.4 | 102.1 | 104.1 | 106.7 | 108.9 | 108.5 | 104.3 | | |
| 700 | 88.1 | 90.7 | 92.2 | 93.0 | 94.1 | 96.4 | 97.8 | 102.0 | 104.2 | 106.3 | 108.8 | 106.7 | 103.7 | | |
| 750 | 87.7 | 91.3 | 92.5 | 92.6 | 95.1 | 96.5 | 98.4 | 101.3 | 104.3 | 106.2 | 108.3 | 106.5 | 104.5 | | |
| 800 | 87.7 | 91.6 | 91.9 | 92.9 | 94.9 | 96.6 | 98.4 | 101.4 | 103.9 | 105.7 | 107.9 | 106.0 | 104.8 | | |
| 850 | 87.6 | 93.7 | 93.3 | 93.0 | 94.9 | 95.2 | 97.4 | 101.3 | 103.6 | 104.7 | 106.6 | 105.5 | 104.7 | | |
| 900 | 85.0 | 92.7 | 93.1 | 93.6 | 93.6 | 94.7 | 96.5 | 99.1 | 101.4 | 102.5 | 105.7 | 103.8 | 103.5 | | |
| 950 | 83.5 | 90.8 | 91.7 | 93.2 | 94.2 | 94.3 | 95.5 | 98.7 | 101.2 | 100.7 | 103.8 | 102.4 | 102.0 | | |
| 1000 | 80.5 | 87.5 | 88.9 | 90.3 | 93.0 | 92.9 | 94.1 | 95.8 | 99.2 | 98.4 | 100.1 | 98.7 | 98.6 | | |
| 1050 | 78.0 | 85.0 | 86.1 | 87.7 | 89.7 | 89.4 | 90.2 | 92.3 | 96.4 | 95.3 | 98.6 | 95.2 | 94.3 | | |
| 1100 | 75.0 | 82.8 | 85.2 | 86.6 | 87.4 | 87.6 | 88.1 | 90.9 | 93.5 | 91.5 | 96.0 | 94.1 | 92.6 | | |
| 1150 | 69.8 | 77.3 | 81.2 | 82.2 | 82.8 | 82.6 | 83.6 | 87.1 | 89.2 | 88.8 | 92.6 | 89.2 | 87.3 | | |
| 1200 | 64.5 | 69.9 | 75.4 | 74.7 | 76.3 | 75.8 | 75.8 | 79.9 | 82.3 | 82.0 | 87.2 | 83.2 | 80.1 | | |
| 1250 | 58.9 | 63.2 | 68.8 | 67.8 | 68.5 | 68.5 | 68.6 | 72.6 | 75.6 | 76.6 | 81.7 | 75.9 | 72.7 | | |
| 1300 | 55.7 | 58.6 | 64.9 | 62.4 | 61.3 | 62.5 | 62.1 | 65.9 | 69.4 | 72.3 | 76.2 | 69.6 | 66.2 | | |
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| 7000 | | | | | | | | | | | | | | | |
| 7050 | | | | | | | | | | | | | | | |
| 7100 | | | | | | | | | | | | | | | |
| 7150 | | | | | | | | | | | | | | | |
| 7200 | | | | | | | | | | | | | | | |
| 7250 | | | | | | | | | | | | | | | |
| 7300 | | | | | | | | | | | | | | | |
| 7350 | | | | | | | | | | | | | | | |
| 7400 | | | | | | | | | | | | | | | |
| 7450 | | | | | | | | | | | | | | | |
| 7500 | | | | | | | | | | | | | | | |
| 7550 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 3 | 318 | 12.2m (40ft.) ARC | MODEL-71.3cm ² II. lin ² |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|---|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| | | FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | |
| | | ANGLES | | | | | | | | | | | | | | | |
| | | FREQ. (0.70) (0.37) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| | | 50 | 57.9 | 62.8 | 63.4 | 66.1 | 68.6 | 69.4 | 70.6 | 72.9 | 75.6 | 80.3 | 83.2 | 83.4 | 79.2 | | |
| | | 63 | 60.1 | 63.2 | 65.6 | 66.9 | 69.1 | 70.1 | 71.6 | 74.6 | 78.1 | 83.6 | 86.7 | 84.8 | 80.4 | | |
| | | 80 | 60.6 | 63.0 | 66.1 | 67.4 | 69.4 | 71.6 | 72.9 | 75.6 | 79.4 | 86.6 | 88.7 | 87.1 | 80.8 | | |
| | | 100 | 61.9 | 65.5 | 66.6 | 68.4 | 71.2 | 72.4 | 74.4 | 77.2 | 81.4 | 87.8 | 89.9 | 88.0 | 81.7 | | |
| | | 125 | 64.5 | 66.4 | 68.3 | 70.6 | 72.6 | 73.6 | 75.9 | 78.8 | 82.6 | 89.2 | 92.1 | 89.4 | 83.2 | | |
| | | 160 | 63.2 | 70.6 | 72.3 | 73.1 | 74.8 | 77.1 | 80.1 | 82.8 | 88.9 | 91.5 | 89.0 | 83.7 | 81.4 | | |
| | | 200 | 60.5 | 69.8 | 72.5 | 73.3 | 74.5 | 76.8 | 77.5 | 80.8 | 83.2 | 87.9 | 90.4 | 88.3 | 81.4 | | |
| | | 250 | 65.6 | 69.2 | 70.4 | 72.2 | 74.2 | 76.0 | 77.5 | 79.9 | 83.6 | 86.8 | 88.7 | 86.8 | 80.0 | | |
| | | 315 | 65.9 | 68.9 | 71.9 | 72.3 | 74.6 | 75.8 | 77.8 | 81.0 | 83.4 | 85.8 | 87.4 | 85.4 | 77.4 | | |
| | | 400 | 64.5 | 67.7 | 71.0 | 72.4 | 74.9 | 75.4 | 77.7 | 81.4 | 83.7 | 84.5 | 83.5 | 73.0 | 73.2 | | |
| | | 500 | 64.0 | 68.3 | 71.1 | 72.0 | 74.6 | 75.9 | 77.8 | 81.0 | 83.4 | 84.1 | 86.9 | 81.3 | 73.2 | | |
| | | 630 | 62.7 | 67.0 | 69.7 | 70.6 | 73.0 | 74.3 | 76.5 | 80.6 | 83.4 | 82.9 | 83.0 | 79.5 | 70.0 | | |
| | | 800 | 61.4 | 66.2 | 69.2 | 70.9 | 72.6 | 75.1 | 76.3 | 79.9 | 81.2 | 81.8 | 82.0 | 76.5 | 67.6 | | |
| | | 1000 | 60.0 | 66.0 | 68.8 | 69.9 | 73.0 | 74.6 | 76.3 | 78.6 | 80.6 | 80.6 | 80.6 | 73.0 | 66.5 | | |
| | | 1250 | 58.8 | 65.1 | 67.3 | 69.5 | 72.2 | 74.0 | 75.7 | 78.0 | 79.3 | 79.3 | 79.0 | 70.2 | 60.8 | | |
| | | 1600 | 57.0 | 66.1 | 67.6 | 68.6 | 71.1 | 71.7 | 73.6 | 76.8 | 77.9 | 77.1 | 76.0 | 70.2 | 60.8 | | |
| | | 2000 | 52.5 | 63.6 | 66.1 | 68.0 | 68.8 | 70.1 | 71.7 | 73.5 | 74.4 | 73.4 | 73.2 | 65.8 | 55.5 | | |
| | | 2500 | 48.3 | 59.5 | 62.9 | 65.9 | 67.8 | 68.2 | 69.1 | 71.4 | 72.4 | 69.4 | 68.6 | 60.7 | 48.3 | | |
| | | 3150 | 40.7 | 52.5 | 56.9 | 60.2 | 64.0 | 64.2 | 65.1 | 65.8 | 67.2 | 63.4 | 60.3 | 50.9 | 35.4 | | |
| | | 4000 | 31.3 | 44.5 | 49.4 | 53.4 | 56.7 | 56.8 | 57.2 | 57.9 | 59.7 | 54.7 | 51.9 | 38.0 | 16.7 | | |
| | | 5000 | 25.5 | 40.3 | 47.0 | 51.2 | 53.4 | 54.1 | 54.1 | 54.1 | 55.3 | 49.0 | 46.6 | 32.9 | 8.0 | | |
| | | 6300 | 9.3 | 26.0 | 35.6 | 40.2 | 42.7 | 43.0 | 43.4 | 45.0 | 43.6 | 37.5 | 32.1 | 12.8 | | | |
| | | 8000 | | 4.4 | 17.4 | 22.5 | 24.5 | 26.9 | 27.1 | 28.7 | 16.6 | 8.9 | | | | | |
| | | 10000 | | | 0.2 | 3.8 | 5.7 | 4.6 | 5.1 | 1.5 | | | | | | | |
| | | 12500 | 75.7 | 79.4 | 81.8 | 83.1 | 85.2 | 86.6 | 88.3 | 91.3 | 93.8 | 97.5 | 99.6 | 97.2 | 90.9 | | |
| | | OVERALL CALCULATED | 79.6 | 86.1 | 88.7 | 90.5 | 92.7 | 93.7 | 95.2 | 98.1 | 99.9 | 101.4 | 102.8 | 99.5 | 92.0 | | |
| | | PMDB | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 3/8 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in.²)

| FREQ. | NO EGA | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | |
|---|---------------|---------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--|
| | 50 | 63 | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.14) | |
| RADIAL | 40. FT. | 60. FT. | 71.1 | 80.9 | 78.9 | 77.2 | 80.8 | 81.4 | 81.5 | 83.0 | 82.9 | 85.5 | 89.4 | 88.4 | 90.2 | |
| VEHICLE | (12. M) | | 71.3 | 75.1 | 76.9 | 78.4 | 80.2 | 80.9 | 81.0 | 82.9 | 81.6 | 81.9 | 89.6 | 90.3 | 90.4 | |
| CONFIG | CELL 41 | | 72.6 | 74.7 | 77.2 | 77.5 | 78.8 | 78.7 | 79.3 | 82.0 | 83.4 | 87.7 | 92.2 | 92.4 | 93.9 | |
| LOC | NC 41 | | 74.5 | 75.3 | 76.8 | 78.3 | 79.2 | 79.5 | 80.9 | 83.8 | 86.5 | 89.9 | 93.8 | 97.0 | 98.0 | |
| DATE | C 41 ANECH CH | | 74.6 | 77.7 | 78.6 | 78.6 | 80.5 | 81.6 | 84.2 | 85.9 | 87.8 | 92.7 | 98.4 | 99.5 | 99.6 | |
| RUN | DATE 06-01-76 | | 77.9 | 80.0 | 82.0 | 81.5 | 83.6 | 83.7 | 85.1 | 87.7 | 90.4 | 95.3 | 101.0 | 102.9 | 102.9 | |
| TAPE | CONFLOWFLWC | | 78.8 | 80.0 | 82.0 | 82.6 | 83.9 | 85.8 | 87.2 | 90.1 | 94.3 | 100.9 | 105.8 | 107.0 | 104.5 | |
| BAR | X03200 | | 80.1 | 82.4 | 82.6 | 83.9 | 85.5 | 86.9 | 88.8 | 91.7 | 95.6 | 101.5 | 106.9 | 108.3 | 106.1 | |
| TAMB | 29.3 HG | | 82.6 | 83.7 | 84.4 | 85.4 | 87.0 | 88.2 | 90.0 | 93.7 | 96.7 | 102.7 | 108.9 | 109.6 | 107.4 | |
| TWET | (9975. N/M2) | | 86.0 | 86.7 | 88.2 | 87.5 | 88.6 | 89.2 | 91.1 | 94.3 | 97.7 | 102.8 | 107.5 | 107.7 | 107.0 | |
| MACH | (291. DEG K) | | 84.3 | 85.8 | 83.1 | 87.9 | 88.7 | 90.6 | 91.4 | 95.1 | 98.1 | 102.1 | 105.6 | 107.0 | 105.1 | |
| FREQ. | 62. DEG F | | 84.4 | 85.9 | 86.4 | 87.0 | 88.8 | 90.7 | 92.1 | 94.5 | 98.4 | 101.8 | 104.0 | 104.6 | 103.4 | |
| SHIFT | (290. DEG K) | | 84.4 | 86.2 | 87.5 | 86.8 | 88.1 | 90.2 | 92.6 | 95.5 | 98.7 | 101.1 | 101.8 | 102.2 | 100.5 | |
| DIAMETER | 59 GM/M3 | | 84.3 | 85.8 | 87.3 | 87.9 | 89.7 | 90.3 | 92.5 | 96.1 | 99.3 | 100.2 | 100.6 | 101.3 | 98.8 | |
| SHIFT | (01359 KG/M3) | | 84.2 | 87.0 | 88.6 | 87.8 | 89.9 | 90.6 | 91.9 | 96.1 | 99.8 | 100.9 | 102.1 | 101.5 | 99.5 | |
| DIAMETER | 5000 | | 83.5 | 85.6 | 87.3 | 87.6 | 88.9 | 90.6 | 91.9 | 95.6 | 98.6 | 100.4 | 102.1 | 102.3 | 100.3 | |
| DIAMETER | 5000 | | 83.6 | 86.7 | 87.7 | 88.2 | 89.3 | 90.9 | 92.6 | 95.7 | 97.7 | 98.6 | 103.0 | 103.4 | 101.9 | |
| DIAMETER | 6300 | | 83.4 | 87.0 | 87.0 | 87.8 | 89.6 | 91.5 | 93.1 | 95.3 | 98.0 | 97.9 | 102.6 | 103.7 | 102.5 | |
| DIAMETER | 8000 | | 82.5 | 85.6 | 86.1 | 87.9 | 89.9 | 91.6 | 92.7 | 95.4 | 97.4 | 98.2 | 102.2 | 103.3 | 102.6 | |
| DIAMETER | 10000 | | 81.6 | 86.5 | 86.8 | 87.3 | 90.4 | 90.5 | 91.6 | 95.0 | 97.3 | 97.0 | 100.9 | 103.0 | 102.2 | |
| DIAMETER | 12300 | | 79.5 | 85.0 | 85.1 | 86.3 | 88.6 | 90.0 | 91.3 | 93.8 | 95.9 | 95.3 | 99.7 | 102.3 | 100.0 | |
| DIAMETER | 16000 | | 77.5 | 83.5 | 83.5 | 85.2 | 87.7 | 88.3 | 90.3 | 92.7 | 95.9 | 93.7 | 98.1 | 100.9 | 99.0 | |
| DIAMETER | 20000 | | 74.5 | 80.3 | 81.4 | 82.0 | 86.5 | 85.9 | 88.1 | 89.8 | 93.7 | 91.7 | 95.6 | 97.7 | 96.9 | |
| DIAMETER | 25000 | | 71.0 | 78.8 | 78.1 | 79.5 | 82.7 | 83.2 | 84.7 | 86.8 | 90.7 | 88.6 | 92.9 | 93.7 | 92.8 | |
| DIAMETER | 31500 | | 68.5 | 76.5 | 77.2 | 78.1 | 81.2 | 81.1 | 82.1 | 85.2 | 87.5 | 85.5 | 89.5 | 91.4 | 91.1 | |
| DIAMETER | 40000 | | 62.6 | 70.1 | 72.7 | 73.7 | 76.1 | 77.1 | 81.1 | 82.7 | 80.8 | 85.1 | 86.2 | 85.1 | 84.3 | |
| DIAMETER | 50000 | | 56.0 | 63.6 | 66.5 | 67.6 | 69.5 | 69.6 | 73.4 | 75.1 | 74.0 | 79.2 | 79.7 | 77.8 | 77.8 | |
| DIAMETER | 63000 | | 49.9 | 55.5 | 59.5 | 59.3 | 63.1 | 63.0 | 65.9 | 65.4 | 67.1 | 66.8 | 71.2 | 71.2 | 70.2 | |
| DIAMETER | 80000 | | 45.9 | 50.1 | 55.4 | 52.6 | 59.6 | 60.0 | 59.6 | 56.9 | 59.7 | 61.3 | 64.2 | 62.9 | 64.2 | |
| OVERALL MEASURED | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | |
| PNDB | | | | | | | | | | | | | | | | |
| 95.4 98.1 99.1 99.5 101.4 102.5 104.1 107.1 110.1 112.8 116.8 117.8 116.3 | | | | | | | | | | | | | | | | |
| 108.0 110.6 111.8 111.8 113.7 114.6 116.1 119.6 122.8 124.8 127.6 128.2 126.8 | | | | | | | | | | | | | | | | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 3 | 320 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11. lin ²) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 3 | 320 | 45.7m(150ft.) ARC | FULL - 33m ² (513in. ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| 50 | 52.9 | 58.3 | 58.9 | 61.9 | 64.4 | 64.6 | 65.9 | 68.1 | 70.1 | 73.8 | 77.6 | 74.2 | |
| 63 | 54.9 | 58.5 | 61.6 | 62.1 | 64.1 | 65.1 | 66.4 | 69.4 | 72.6 | 76.8 | 80.7 | 79.6 | 74.9 |
| 80 | 55.6 | 58.5 | 61.6 | 62.9 | 64.6 | 66.6 | 67.9 | 70.4 | 73.9 | 79.3 | 82.7 | 81.6 | 75.5 |
| 100 | 56.9 | 60.8 | 62.1 | 64.2 | 66.2 | 67.7 | 69.4 | 71.9 | 75.1 | 79.8 | 83.7 | 82.8 | 76.9 |
| 125 | 59.3 | 61.9 | 63.8 | 65.6 | 67.6 | 68.9 | 70.6 | 73.8 | 76.1 | 81.0 | 85.6 | 83.9 | 78.0 |
| NFA (0. RAD/SEC) | 160 | 62.4 | 64.9 | 67.5 | 67.6 | 69.1 | 69.8 | 71.6 | 74.3 | 77.0 | 80.9 | 84.0 | 81.7 |
| 200 | 60.5 | 63.8 | 67.2 | 67.8 | 69.0 | 71.0 | 71.8 | 75.0 | 77.2 | 80.1 | 81.9 | 80.8 | 74.9 |
| NFK (0. RAD/SEC) | 250 | 60.4 | 63.7 | 65.4 | 66.7 | 69.0 | 71.0 | 72.2 | 74.2 | 77.4 | 79.5 | 80.0 | 78.1 |
| 315 | 60.1 | 63.7 | 66.2 | 66.3 | 69.1 | 70.3 | 72.6 | 75.0 | 77.4 | 78.5 | 77.4 | 75.2 | 69.2 |
| NFD (7500. RPM) | 400 | 59.5 | 62.9 | 65.7 | 67.1 | 69.4 | 70.2 | 72.2 | 75.4 | 77.7 | 77.3 | 75.9 | 73.7 |
| (785. RAD/SEC) | 500 | 59.0 | 63.8 | 66.6 | 66.8 | 69.3 | 69.6 | 71.3 | 75.0 | 77.9 | 77.6 | 76.9 | 73.3 |
| AIRFLOW RATIO | 630 | 57.7 | 61.8 | 65.0 | 66.1 | 68.0 | 69.8 | 71.0 | 74.1 | 76.2 | 76.7 | 76.3 | 73.3 |
| WF/W 5.81 | 800 | 56.9 | 62.2 | 64.7 | 66.2 | 67.8 | 69.6 | 71.1 | 73.7 | 74.7 | 74.1 | 76.3 | 73.2 |
| VEHICLE CELL41 | 1000 | 55.7 | 61.7 | 63.3 | 65.1 | 67.5 | 69.6 | 71.0 | 72.6 | 74.3 | 72.6 | 74.9 | 72.3 |
| CONFIG NC41 | 1250 | 53.6 | 59.3 | 61.6 | 64.5 | 67.2 | 69.0 | 72.0 | 72.8 | 72.0 | 73.3 | 70.2 | 62.1 |
| LOC C41 ANECHOIC | 1600 | 51.0 | 58.9 | 61.1 | 62.8 | 66.6 | 66.9 | 67.8 | 70.6 | 71.6 | 69.3 | 70.3 | 58.3 |
| DATE 06-01-76 | 2000 | 47.0 | 55.8 | 58.1 | 60.7 | 63.8 | 65.4 | 66.4 | 68.2 | 68.9 | 66.1 | 67.2 | 64.3 |
| RUN CONF3LOWFLWC | 2500 | 42.3 | 52.2 | 54.7 | 57.9 | 61.3 | 62.2 | 63.9 | 65.4 | 66.2 | 62.4 | 62.9 | 59.2 |
| TAPE X03200 | 3150 | 34.7 | 45.3 | 49.4 | 52.0 | 57.3 | 57.2 | 59.1 | 59.8 | 61.7 | 56.7 | 55.8 | 49.9 |
| FAN TIP SPEED | 4000 | 24.3 | 38.2 | 41.4 | 45.1 | 49.7 | 50.6 | 51.7 | 52.4 | 54.0 | 48.0 | 46.1 | 36.5 |
| FT/SEC | 5000 | 19.0 | 34.0 | 39.0 | 42.7 | 47.2 | 47.6 | 48.1 | 49.7 | 49.3 | 43.0 | 40.1 | 30.1 |
| | 6300 | 2.0 | 18.8 | 27.1 | 31.7 | 35.9 | 36.9 | 39.0 | 37.1 | 29.5 | 24.6 | 9.8 | 6.5 |
| | 8000 | | 8.9 | 13.8 | 19.3 | 20.2 | 19.8 | 20.6 | 17.5 | 8.6 | 0.9 | | |
| | 10000 | | | | | 0.2 | | | | | | | |
| OVERALL CALCULATED | 70.3 | 74.2 | 76.7 | 77.8 | 80.0 | 81.3 | 82.8 | 85.3 | 87.8 | 90.0 | 92.5 | 90.9 | 85.3 |
| PNOB | 74.2 | 79.8 | 82.4 | 84.1 | 87.2 | 88.3 | 89.6 | 92.0 | 93.8 | 93.9 | 95.4 | 93.1 | 86.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 320 ACUSTIC RANG 731.5m(2400ft.) SIDELINE FULL-33m²(513m²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 24 HR. 10.7
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN) -

| | | FREQ. | | | | | | | | | | PWL | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.15) | (3.33) | (3.51) | (3.69) | (3.87) | (4.05) | (4.23) | |
| NO EGA | | | | | | | | | | | | | | | | | | | | | | | |
| RDG. NO. | 0. | | | | | | | | | | | | | | | | | | | | | | |
| RADIAL (12. M) | | 71.4 | 80.7 | 78.9 | 80.0 | 80.5 | 81.7 | 81.8 | 83.0 | 83.4 | 86.2 | 89.9 | 88.4 | 90.7 | 126.4 | 126.0 | 127.4 | 130.9 | 133.2 | 136.2 | 138.6 | 140.1 | |
| 100 | 71.4 | 80.7 | 78.9 | 80.0 | 80.5 | 81.7 | 81.8 | 83.0 | 83.4 | 86.2 | 89.9 | 88.4 | 90.7 | 126.4 | 126.0 | 127.4 | 130.9 | 133.2 | 136.2 | 138.6 | 140.1 | 141.7 | |
| 125 | 71.3 | 75.4 | 77.4 | 78.7 | 80.2 | 81.4 | 81.7 | 82.9 | 81.6 | 81.7 | 81.7 | 89.6 | 90.3 | 90.4 | 126.0 | 126.0 | 127.4 | 130.9 | 133.2 | 136.2 | 138.6 | 140.1 | |
| 160 | 72.1 | 74.9 | 77.2 | 77.5 | 78.5 | 78.4 | 79.0 | 81.5 | 82.9 | 87.5 | 91.4 | 91.6 | 93.2 | 127.4 | 127.4 | 130.9 | 133.2 | 136.2 | 138.6 | 140.1 | 141.7 | 142.5 | |
| 200 | 73.3 | 76.8 | 78.6 | 78.6 | 79.2 | 79.8 | 80.7 | 83.6 | 86.5 | 89.9 | 93.6 | 96.8 | 97.8 | 130.9 | 130.9 | 133.2 | 136.2 | 138.6 | 140.1 | 141.7 | 142.5 | 143.3 | |
| 250 | 74.0 | 77.1 | 78.3 | 78.4 | 80.2 | 81.6 | 83.7 | 85.4 | 87.6 | 92.4 | 97.6 | 98.5 | 99.1 | 133.2 | 133.2 | 136.2 | 138.6 | 140.1 | 141.7 | 142.5 | 143.3 | 144.1 | |
| 315 | 75.7 | 79.4 | 78.9 | 81.0 | 83.1 | 83.9 | 85.1 | 87.5 | 90.4 | 95.5 | 100.2 | 101.9 | 102.4 | 136.2 | 136.2 | 138.6 | 140.1 | 141.7 | 142.5 | 143.3 | 144.1 | 145.1 | |
| 400 | 77.9 | 80.2 | 82.2 | 81.8 | 83.6 | 84.7 | 85.8 | 89.0 | 92.7 | 98.3 | 103.5 | 104.4 | 105.5 | 138.6 | 138.6 | 140.1 | 141.7 | 142.5 | 143.3 | 144.1 | 145.1 | 146.1 | |
| 500 | 79.3 | 80.3 | 82.3 | 82.3 | 83.9 | 85.8 | 87.2 | 90.3 | 94.0 | 100.6 | 105.3 | 105.7 | 106.5 | 140.1 | 140.1 | 141.7 | 142.5 | 143.3 | 144.1 | 145.1 | 146.1 | 147.1 | |
| 630 | 80.4 | 82.4 | 82.9 | 83.9 | 85.8 | 87.1 | 89.0 | 91.9 | 95.6 | 101.7 | 106.9 | 107.6 | 108.9 | 141.7 | 141.7 | 142.5 | 143.3 | 144.1 | 145.1 | 146.1 | 147.1 | 148.1 | |
| 800 | 81.9 | 83.4 | 84.2 | 85.4 | 87.3 | 88.4 | 90.3 | 93.4 | 97.2 | 102.0 | 107.9 | 108.1 | 109.9 | 142.5 | 142.5 | 143.3 | 144.1 | 145.1 | 146.1 | 147.1 | 148.1 | 149.1 | |
| 1000 | 85.5 | 86.2 | 87.5 | 87.3 | 88.1 | 89.2 | 90.9 | 94.3 | 97.0 | 101.6 | 106.5 | 105.7 | 106.0 | 143.3 | 143.3 | 144.1 | 145.1 | 146.1 | 147.1 | 148.1 | 149.1 | 150.1 | |
| 1250 | 83.3 | 85.1 | 87.3 | 87.4 | 88.4 | 90.1 | 91.4 | 95.1 | 98.3 | 101.1 | 104.4 | 104.0 | 103.6 | 144.1 | 144.1 | 145.1 | 146.1 | 147.1 | 148.1 | 149.1 | 150.1 | 151.1 | |
| 1600 | 83.9 | 85.4 | 86.2 | 87.0 | 88.3 | 90.7 | 91.6 | 94.5 | 97.9 | 100.8 | 102.7 | 101.6 | 101.2 | 145.1 | 145.1 | 146.1 | 147.1 | 148.1 | 149.1 | 150.1 | 151.1 | 152.1 | |
| 2000 | 84.7 | 85.7 | 87.2 | 87.3 | 88.6 | 90.2 | 92.1 | 95.8 | 98.2 | 100.1 | 101.5 | 99.2 | 98.2 | 146.1 | 146.1 | 147.1 | 148.1 | 149.1 | 150.1 | 151.1 | 152.1 | 153.1 | |
| 2500 | 84.0 | 86.3 | 87.1 | 87.9 | 89.7 | 90.3 | 92.5 | 95.9 | 98.8 | 99.7 | 100.4 | 98.8 | 97.6 | 147.1 | 147.1 | 148.1 | 149.1 | 150.1 | 151.1 | 152.1 | 153.1 | 154.1 | |
| 3150 | 83.7 | 86.5 | 88.1 | 88.1 | 89.7 | 90.3 | 91.9 | 95.6 | 99.3 | 100.1 | 102.1 | 98.8 | 99.8 | 148.1 | 148.1 | 149.1 | 150.1 | 151.1 | 152.1 | 153.1 | 154.1 | 155.1 | |
| 4000 | 83.0 | 85.8 | 87.1 | 87.4 | 88.4 | 90.1 | 91.7 | 95.9 | 98.3 | 100.2 | 102.4 | 100.8 | 100.1 | 149.1 | 149.1 | 150.1 | 151.1 | 152.1 | 153.1 | 154.1 | 155.1 | 156.1 | |
| 5000 | 83.4 | 86.4 | 87.5 | 87.7 | 88.8 | 90.4 | 91.6 | 96.0 | 98.0 | 98.3 | 103.3 | 101.9 | 101.7 | 150.1 | 150.1 | 151.1 | 152.1 | 153.1 | 154.1 | 155.1 | 156.1 | 157.1 | |
| 6300 | 82.9 | 86.3 | 87.3 | 88.1 | 89.9 | 91.3 | 92.4 | 95.3 | 98.0 | 97.9 | 102.6 | 102.5 | 102.3 | 151.1 | 151.1 | 152.1 | 153.1 | 154.1 | 155.1 | 156.1 | 157.1 | 158.1 | |
| 8000 | 82.2 | 85.3 | 85.6 | 87.6 | 89.7 | 91.3 | 92.9 | 95.4 | 97.6 | 98.0 | 102.2 | 101.8 | 102.6 | 152.1 | 152.1 | 153.1 | 154.1 | 155.1 | 156.1 | 157.1 | 158.1 | 159.1 | |
| 10000 | 80.9 | 86.0 | 86.3 | 86.8 | 89.6 | 90.0 | 91.9 | 95.0 | 97.8 | 97.5 | 100.9 | 101.0 | 102.5 | 153.1 | 153.1 | 154.1 | 155.1 | 156.1 | 157.1 | 158.1 | 159.1 | 160.1 | |
| 12500 | 78.5 | 83.5 | 84.6 | 86.1 | 88.1 | 89.7 | 91.7 | 93.6 | 95.6 | 96.0 | 99.4 | 100.0 | 101.2 | 154.1 | 154.1 | 155.1 | 156.1 | 157.1 | 158.1 | 159.1 | 160.1 | 161.1 | |
| 16000 | 76.8 | 81.8 | 83.2 | 85.2 | 87.2 | 88.0 | 90.8 | 92.7 | 95.5 | 94.7 | 98.1 | 98.4 | 99.5 | 155.1 | 155.1 | 156.1 | 157.1 | 158.1 | 159.1 | 160.1 | 161.1 | 162.1 | |
| 20000 | 73.5 | 79.3 | 81.1 | 82.0 | 85.5 | 85.9 | 88.4 | 90.1 | 93.9 | 92.2 | 94.6 | 95.0 | 97.4 | 156.1 | 156.1 | 157.1 | 158.1 | 159.1 | 160.1 | 161.1 | 162.1 | 163.1 | |
| 25000 | 70.5 | 77.3 | 77.6 | 79.5 | 82.2 | 82.7 | 84.2 | 86.5 | 90.9 | 89.1 | 91.9 | 90.9 | 92.3 | 157.1 | 157.1 | 158.1 | 159.1 | 160.1 | 161.1 | 162.1 | 163.1 | 164.1 | |
| 31500 | 67.5 | 74.8 | 76.4 | 78.4 | 80.4 | 80.1 | 81.6 | 85.2 | 87.7 | 85.5 | 88.8 | 88.4 | 90.4 | 158.1 | 158.1 | 159.1 | 160.1 | 161.1 | 162.1 | 163.1 | 164.1 | 165.1 | |
| 40000 | 61.8 | 69.6 | 72.9 | 73.7 | 75.6 | 75.6 | 77.3 | 80.6 | 83.0 | 81.0 | 85.1 | 83.2 | 85.1 | 159.1 | 159.1 | 160.1 | 161.1 | 162.1 | 163.1 | 164.1 | 165.1 | 166.1 | |
| 50000 | 55.3 | 62.1 | 65.8 | 66.4 | 68.7 | 69.3 | 70.0 | 73.4 | 75.3 | 73.5 | 78.4 | 76.9 | 77.6 | 160.1 | 160.1 | 161.1 | 162.1 | 163.1 | 164.1 | 165.1 | 166.1 | 167.1 | |
| 63000 | 49.6 | 55.0 | 59.3 | 59.0 | 62.6 | 63.2 | 63.1 | 64.9 | 67.3 | 66.6 | 71.4 | 68.9 | 70.0 | 161.1 | 161.1 | 162.1 | 163.1 | 164.1 | 165.1 | 166.1 | 167.1 | 168.1 | |
| 80000 | 45.9 | 49.6 | 55.1 | 52.6 | 59.3 | 59.5 | 59.1 | 56.9 | 59.4 | 61.1 | 68.0 | 61.6 | 63.7 | 162.1 | 162.1 | 163.1 | 164.1 | 165.1 | 166.1 | 167.1 | 168.1 | 169.1 | |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 95.1 | 97.7 | 98.8 | 99.4 | 101.1 | 102.3 | 103.9 | 107.1 | 110.0 | 112.3 | 116.3 | 116.2 | 115.8 | | | | | | | | | |
| PN08 | | 107.6 | 110.3 | 111.5 | 111.9 | 113.4 | 114.5 | 116.0 | 119.5 | 122.5 | 124.3 | 127.4 | 126.6 | 126.3 | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 32/ ACQUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-71.3cm²(11.1in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PROC. DATE - MONTH 8 DAY 24 HR. 12.1

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| RDG. NO. 0. | 50 | 80.8 | 84.6 | 84.1 | 86.2 | 88.3 | 89.1 | 90.3 | 92.7 |
| RADIAL 150. FT. | 63 | 83.1 | 85.4 | 87.4 | 86.9 | 88.3 | 89.9 | 91.0 | 94.2 |
| (46. M) | 80 | 84.5 | 85.5 | 87.5 | 87.5 | 89.1 | 91.0 | 92.4 | 95.5 |
| VEHICLE CELL 41 | 100 | 85.6 | 87.6 | 88.1 | 89.1 | 91.0 | 92.3 | 94.2 | 97.1 |
| CONFIG NC41 | 125 | 87.1 | 88.6 | 89.4 | 90.6 | 92.5 | 93.6 | 95.5 | 98.6 |
| LOC C41 ANECH CH | 160 | 90.7 | 91.4 | 92.7 | 92.5 | 93.3 | 94.4 | 96.1 | 99.5 |
| DATE 06-01-76 | 200 | 88.5 | 90.3 | 92.5 | 92.6 | 93.7 | 95.3 | 96.7 | 100.3 |
| RUN CONF3LOWFLWC | 250 | 89.1 | 90.6 | 91.4 | 92.2 | 93.5 | 95.9 | 96.8 | 99.7 |
| TAPE X03210 | 315 | 89.9 | 90.9 | 92.5 | 92.5 | 93.8 | 95.4 | 97.3 | 101.0 |
| BAR 29.3 H6 | 400 | 89.3 | 91.6 | 92.3 | 93.1 | 95.0 | 95.6 | 97.7 | 101.1 |
| (98975. M/M2) | 500 | 89.0 | 91.8 | 93.4 | 93.4 | 95.0 | 95.6 | 97.2 | 100.9 |
| TAMD 64. DEG F | 630 | 88.4 | 91.2 | 92.4 | 92.7 | 93.8 | 95.4 | 97.1 | 101.2 |
| TWET (291. DEG K) | 800 | 88.8 | 91.8 | 92.8 | 93.1 | 94.2 | 95.8 | 96.9 | 101.4 |
| (290. DEG K) | 1000 | 88.4 | 91.7 | 92.8 | 93.5 | 95.4 | 96.7 | 97.9 | 100.8 |
| (.01359 KG/M3) | 1250 | 87.9 | 91.0 | 91.3 | 93.3 | 95.3 | 97.0 | 98.6 | 101.0 |
| JET 3 | 1600 | 86.8 | 91.9 | 92.2 | 92.7 | 95.5 | 95.9 | 97.8 | 101.0 |
| DIAMETER RATIO | 2000 | 84.8 | 89.8 | 90.9 | 92.4 | 94.4 | 96.0 | 97.3 | 99.9 |
| DF/DM 6.81 | 2500 | 83.7 | 88.7 | 90.2 | 92.1 | 94.1 | 95.0 | 97.7 | 99.6 |
| | 3150 | 81.2 | 87.0 | 88.9 | 89.8 | 93.3 | 93.6 | 96.1 | 97.8 |
| | 4000 | 79.4 | 86.2 | 86.5 | 88.3 | 91.1 | 91.6 | 93.1 | 95.4 |
| | 5000 | 78.3 | 85.6 | 87.3 | 89.3 | 91.3 | 91.0 | 92.5 | 94.0 |
| | 6300 | 75.3 | 83.1 | 86.4 | 87.2 | 89.1 | 89.1 | 90.8 | 91.9 |
| | 8000 | 72.2 | 79.0 | 82.7 | 83.3 | 85.6 | 86.2 | 86.9 | 90.3 |
| | 10000 | 71.5 | 76.9 | 81.2 | 81.0 | 84.7 | 85.2 | 85.0 | 88.3 |
| | 12500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 15000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 17500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 20000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 22500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 25000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 27500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 30000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 32500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 35000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 37500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 40000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 42500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 45000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 47500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 50000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 52500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 55000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 57500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 60000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 62500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 65000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 67500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 70000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 72500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 75000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 77500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 80000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 82500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 85000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 87500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 90000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 92500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 95000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 97500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 100000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 102500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 105000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 107500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 110000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 112500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 115000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 117500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 120000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 122500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 125000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 127500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 130000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 132500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 135000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 137500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 140000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 142500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 145000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 147500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 150000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 152500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 155000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 157500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 160000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 162500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 165000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 167500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 170000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 172500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 175000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 177500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 180000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 182500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 185000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 187500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 190000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 192500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 195000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 197500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 200000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 202500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 205000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 207500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 210000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 212500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 215000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 217500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 220000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 222500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 225000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 227500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 230000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 232500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 235000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 237500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 240000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 242500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 245000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 247500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 250000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 252500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 255000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 257500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 260000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 262500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 265000 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 267500 | 73.3 | 79.0 | 84.6 | 82.0 | 88.7 | 88.9 | 88.5 | 90.5 |
| | 27000 | | | | | | | | |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | | | | | | | | | | | | | | | | |
| (731.52 M) | | | | | | | | | | | | | | | | |
| MFA (0. RAD/SEC) | | | | | | | | | | | | | | | | |
| NFK (0. RAD/SEC) | | | | | | | | | | | | | | | | |
| NFB (7500. RPM) | | | | | | | | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | | | | |
| WF/WM 0.81 | | | | | | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | | | | |
| CONFIG MC41 | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | | |
| DATE 06-01-76 | | | | | | | | | | | | | | | | |
| RUN CUMFLOWLWC | | | | | | | | | | | | | | | | |
| TAPE X03210 | | | | | | | | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | |
| PNDB | | | | | | | | | | | | | | | | |
| 50 | 52.7 | 58.0 | 60.5 | 61.4 | 63.9 | 64.9 | 65.9 | 67.9 | 70.1 | 74.1 | 77.2 | 76.6 | 73.7 | 160. | 150. | 160. |
| 63 | 54.9 | 58.7 | 61.6 | 62.1 | 64.6 | 66.6 | 66.6 | 69.4 | 72.3 | 76.8 | 80.4 | 79.1 | 74.6 | 160. | 150. | 160. |
| 80 | 56.1 | 58.7 | 61.9 | 62.6 | 64.6 | 66.6 | 66.6 | 69.7 | 72.2 | 75.1 | 80.1 | 83.7 | 82.0 | 76.7 | 75.5 | 75.5 |
| 100 | 57.1 | 60.8 | 62.4 | 64.2 | 66.4 | 67.9 | 69.1 | 70.9 | 73.6 | 76.6 | 80.2 | 84.6 | 82.4 | 77.5 | 76.2 | 76.2 |
| 125 | 58.5 | 61.7 | 63.6 | 65.6 | 67.9 | 69.8 | 71.3 | 74.3 | 76.3 | 79.7 | 83.0 | 87.4 | 85.4 | 77.5 | 76.2 | 76.2 |
| 160 | 61.9 | 64.4 | 66.8 | 67.3 | 68.8 | 70.5 | 71.8 | 75.0 | 77.5 | 79.1 | 80.6 | 77.8 | 73.4 | 73.4 | 73.4 | 73.4 |
| 200 | 59.5 | 63.0 | 66.5 | 67.3 | 68.3 | 70.5 | 71.7 | 74.2 | 76.9 | 78.5 | 78.7 | 75.1 | 70.5 | 70.5 | 70.5 | 70.5 |
| 250 | 59.9 | 63.2 | 65.1 | 66.7 | 68.5 | 71.0 | 71.7 | 74.2 | 76.9 | 77.5 | 77.2 | 72.2 | 66.9 | 66.9 | 66.9 | 66.9 |
| 315 | 60.4 | 63.2 | 65.9 | 66.8 | 68.6 | 70.3 | 72.1 | 75.3 | 76.9 | 77.5 | 77.2 | 72.2 | 66.9 | 66.9 | 66.9 | 66.9 |
| 400 | 59.3 | 63.4 | 65.5 | 67.1 | 69.4 | 70.2 | 72.2 | 75.1 | 77.2 | 76.8 | 75.6 | 71.2 | 65.5 | 65.5 | 65.5 | 65.5 |
| 500 | 58.5 | 63.3 | 66.1 | 67.0 | 69.1 | 69.9 | 71.3 | 74.5 | 77.4 | 76.9 | 76.9 | 70.6 | 66.7 | 66.7 | 66.7 | 66.7 |
| 630 | 57.2 | 62.0 | 64.7 | 65.9 | 67.5 | 69.3 | 70.7 | 74.4 | 76.0 | 76.4 | 76.5 | 71.7 | 65.6 | 65.6 | 65.6 | 65.6 |
| 800 | 56.6 | 61.9 | 64.4 | 65.7 | 67.3 | 69.1 | 70.1 | 73.9 | 74.9 | 76.9 | 76.9 | 71.0 | 64.2 | 64.2 | 64.2 | 64.2 |
| 1000 | 55.2 | 61.0 | 63.6 | 65.4 | 67.8 | 69.3 | 70.3 | 72.6 | 74.3 | 76.6 | 76.6 | 71.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| 1250 | 53.3 | 59.0 | 61.1 | 64.2 | 66.9 | 68.7 | 70.2 | 72.0 | 73.1 | 75.7 | 75.7 | 70.3 | 62.1 | 62.1 | 62.1 | 62.1 |
| 1600 | 50.3 | 58.4 | 60.6 | 62.3 | 65.8 | 66.4 | 68.1 | 70.6 | 72.1 | 74.8 | 74.8 | 69.9 | 62.1 | 62.1 | 62.1 | 62.1 |
| 2000 | 46.0 | 54.3 | 57.6 | 60.5 | 63.3 | 65.1 | 66.2 | 68.0 | 68.6 | 66.9 | 66.9 | 62.9 | 56.7 | 56.7 | 56.7 | 56.7 |
| 2500 | 41.6 | 50.5 | 54.4 | 57.9 | 60.8 | 62.0 | 64.4 | 65.4 | 66.7 | 63.4 | 62.9 | 56.7 | 45.8 | 45.8 | 45.8 | 45.8 |
| 3150 | 33.7 | 44.3 | 49.2 | 52.0 | 56.5 | 57.2 | 59.4 | 60.0 | 62.0 | 57.2 | 54.8 | 47.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| 4000 | 23.8 | 36.7 | 40.9 | 45.1 | 49.2 | 50.1 | 51.2 | 52.2 | 56.2 | 48.5 | 45.1 | 33.8 | 14.7 | 14.7 | 14.7 | 14.7 |
| 5000 | 18.0 | 32.3 | 38.3 | 42.9 | 46.4 | 46.6 | 47.6 | 49.7 | 49.6 | 43.0 | 39.3 | 27.1 | 5.8 | 5.8 | 5.8 | 5.8 |
| 6300 | 1.3 | 18.3 | 27.3 | 31.7 | 35.4 | 36.0 | 37.2 | 38.5 | 37.4 | 29.7 | 24.6 | 6.8 | | | | |
| 8000 | | | 8.2 | 13.5 | 18.5 | 19.9 | 19.8 | 20.6 | 17.7 | 8.1 | 0.1 | | | | | |
| 10000 | | | | | | 0.4 | | | | | | | | | | |
| 12500 | 70.0 | 73.9 | 76.4 | 77.7 | 79.7 | 81.2 | 82.6 | 85.5 | 87.6 | 89.4 | 91.9 | 89.3 | 84.7 | | | |
| PNDB | 73.8 | 79.2 | 82.0 | 83.9 | 86.7 | 88.1 | 89.5 | 92.0 | 93.8 | 93.5 | 94.8 | 91.3 | 85.5 | | | |

ANECCHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 321 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in.²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-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| | | PROC. DATE - MONTH 8 DAY 24 HR. 10.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | PWL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | FREQ. (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.18) | (3.36) | (3.54) | (3.72) | (3.90) | (4.08) | (4.26) | (4.44) | (4.62) | (4.80) | (4.98) | (5.16) | (5.34) | (5.52) | (5.70) | (5.88) | (6.06) | (6.24) | (6.42) | (6.60) | (6.78) | (6.96) | (7.14) | (7.32) | (7.50) | (7.68) | (7.86) | (8.04) | (8.22) | (8.40) | (8.58) | (8.76) | (8.94) | (9.12) | (9.30) | (9.48) | (9.66) | (9.84) | (10.02) | (10.20) | (10.38) | (10.56) | (10.74) | (10.92) | (11.10) | (11.28) | (11.46) | (11.64) | (11.82) | (12.00) | (12.18) | (12.36) | (12.54) | (12.72) | (12.90) | (13.08) | (13.26) | (13.44) | (13.62) | (13.80) | (13.98) | (14.16) | (14.34) | (14.52) | (14.70) | (14.88) | (15.06) | (15.24) | (15.42) | (15.60) | (15.78) | (15.96) | (16.14) | (16.32) | (16.50) | (16.68) | (16.86) | (17.04) | (17.22) | (17.40) | (17.58) | (17.76) | (17.94) | (18.12) | (18.30) | (18.48) | (18.66) | (18.84) | (19.02) | (19.20) | (19.38) | (19.56) | (19.74) | (19.92) | (20.10) | (20.28) | (20.46) | (20.64) | (20.82) | (21.00) | (21.18) | (21.36) | (21.54) | (21.72) | (21.90) | (22.08) | (22.26) | (22.44) | (22.62) | (22.80) | (22.98) | (23.16) | (23.34) | (23.52) | (23.70) | (23.88) | (24.06) | (24.24) | (24.42) | (24.60) | (24.78) | (24.96) | (25.14) | (25.32) | (25.50) | (25.68) | (25.86) | (26.04) | (26.22) | (26.40) | (26.58) | (26.76) | (26.94) | (27.12) | (27.30) | (27.48) | (27.66) | (27.84) | (28.02) | (28.20) | (28.38) | (28.56) | (28.74) | (28.92) | (29.10) | (29.28) | (29.46) | (29.64) | (29.82) | (30.00) | (30.18) | (30.36) | (30.54) | (30.72) | (30.90) | (31.08) | (31.26) | (31.44) | (31.62) | (31.80) | (31.98) | (32.16) | (32.34) | (32.52) | (32.70) | (32.88) | (33.06) | (33.24) | (33.42) | (33.60) | (33.78) | (33.96) | (34.14) | (34.32) | (34.50) | (34.68) | (34.86) | (35.04) | (35.22) | (35.40) | (35.58) | (35.76) | (35.94) | (36.12) | (36.30) | (36.48) | (36.66) | (36.84) | (37.02) | (37.20) | (37.38) | (37.56) | (37.74) | (37.92) | (38.10) | (38.28) | (38.46) | (38.64) | (38.82) | (39.00) | (39.18) | (39.36) | (39.54) | (39.72) | (39.90) | (40.08) | (40.26) | (40.44) | (40.62) | (40.80) | (40.98) | (41.16) | (41.34) | (41.52) | (41.70) | (41.88) | (42.06) | (42.24) | (42.42) | (42.60) | (42.78) | (42.96) | (43.14) | (43.32) | (43.50) | (43.68) | (43.86) | (44.04) | (44.22) | (44.40) | (44.58) | (44.76) | (44.94) | (45.12) | (45.30) | (45.48) | (45.66) | (45.84) | (46.02) | (46.20) | (46.38) | (46.56) | (46.74) | (46.92) | (47.10) | (47.28) | (47.46) | (47.64) | (47.82) | (48.00) | (48.18) | (48.36) | (48.54) | (48.72) | (48.90) | (49.08) | (49.26) | (49.44) | (49.62) | (49.80) | (50.00) | (50.20) | (50.40) | (50.60) | (50.80) | (51.00) | (51.20) | (51.40) | (51.60) | (51.80) | (52.00) | (52.20) | (52.40) | (52.60) | (52.80) | (53.00) | (53.20) | (53.40) | (53.60) | (53.80) | (54.00) | (54.20) | (54.40) | (54.60) | (54.80) | (55.00) | (55.20) | (55.40) | (55.60) | (55.80) | (56.00) | (56.20) | (56.40) | (56.60) | (56.80) | (57.00) | (57.20) | (57.40) | (57.60) | (57.80) | (58.00) | (58.20) | (58.40) | (58.60) | (58.80) | (59.00) | (59.20) | (59.40) | (59.60) | (59.80) | (60.00) | (60.20) | (60.40) | (60.60) | (60.80) | (61.00) | (61.20) | (61.40) | (61.60) | (61.80) | (62.00) | (62.20) | (62.40) | (62.60) | (62.80) | (63.00) | (63.20) | (63.40) | (63.60) | (63.80) | (64.00) | (64.20) | (64.40) | (64.60) | (64.80) | (65.00) | (65.20) | (65.40) | (65.60) | (65.80) | (66.00) | (66.20) | (66.40) | (66.60) | (66.80) | (67.00) | (67.20) | (67.40) | (67.60) | (67.80) | (68.00) | (68.20) | (68.40) | (68.60) | (68.80) | (69.00) | (69.20) | (69.40) | (69.60) | (69.80) | (70.00) | (70.20) | (70.40) | (70.60) | (70.80) | (71.00) | (71.20) | (71.40) | (71.60) | (71.80) | (72.00) | (72.20) | (72.40) | (72.60) | (72.80) | (73.00) | (73.20) | (73.40) | (73.60) | (73.80) | (74.00) | (74.20) | (74.40) | (74.60) | (74.80) | (75.00) | (75.20) | (75.40) | (75.60) | (75.80) | (76.00) | (76.20) | (76.40) | (76.60) | (76.80) | (77.00) | (77.20) | (77.40) | (77.60) | (77.80) | (78.00) | (78.20) | (78.40) | (78.60) | (78.80) | (79.00) | (79.20) | (79.40) | (79.60) | (79.80) | (80.00) | (80.20) | (80.40) | (80.60) | (80.80) | (81.00) | (81.20) | (81.40) | (81.60) | (81.80) | (82.00) | (82.20) | (82.40) | (82.60) | (82.80) | (83.00) | (83.20) | (83.40) | (83.60) | (83.80) | (84.00) | (84.20) | (84.40) | (84.60) | (84.80) | (85.00) | (85.20) | (85.40) | (85.60) | (85.80) | (86.00) | (86.20) | (86.40) | (86.60) | (86.80) | (87.00) | (87.20) | (87.40) | (87.60) | (87.80) | (88.00) | (88.20) | (88.40) | (88.60) | (88.80) | (89.00) | (89.20) | (89.40) | (89.60) | (89.80) | (90.00) | (90.20) | (90.40) | (90.60) | (90.80) | (91.00) | (91.20) | (91.40) | (91.60) | (91.80) | (92.00) | (92.20) | (92.40) | (92.60) | (92.80) | (93.00) | (93.20) | (93.40) | (93.60) | (93.80) | (94.00) | (94.20) | (94.40) | (94.60) | (94.80) | (95.00) | (95.20) | (95.40) | (95.60) | (95.80) | (96.00) | (96.20) | (96.40) | (96.60) | (96.80) | (97.00) | (97.20) | (97.40) | (97.60) | (97.80) | (98.00) | (98.20) | (98.40) | (98.60) | (98.80) | (99.00) | (99.20) | (99.40) | (99.60) | (99.80) | (100.00) | (100.20) | (100.40) | (100.60) | (100.80) | (101.00) | (101.20) | (101.40) | (101.60) | (101.80) | (102.00) | (102.20) | (102.40) | (102.60) | (102.80) | (103.00) | (103.20) | (103.40) | (103.60) | (103.80) | (104.00) | (104.20) | (104.40) | (104.60) | (104.80) | (105.00) | (105.20) | (105.40) | (105.60) | (105.80) | (106.00) | (106.20) | (106.40) | (106.60) | (106.80) | (107.00) | (107.20) | (107.40) | (107.60) | (107.80) | (108.00) | (108.20) | (108.40) | (108.60) | (108.80) | (109.00) | (109.20) | (109.40) | (109.60) | (109.80) | (110.00) | (110.20) | (110.40) | (110.60) | (110.80) | (111.00) | (111.20) | (111.40) | (111.60) | (111.80) | (112.00) | (112.20) | (112.40) | (112.60) | (112.80) | (113.00) | (113.20) | (113.40) | (113.60) | (113.80) | (114.00) | (114.20) | (114.40) | (114.60) | (114.80) | (115.00) | (115.20) | (115.40) | (115.60) | (115.80) | (116.00) | (116.20) | (116.40) | (116.60) | (116.80) | (117.00) | (117.20) | (117.40) | (117.60) | (117.80) | (118.00) | (118.20) | (118.40) | (118.60) | (118.80) | (119.00) | (119.20) | (119.40) | (119.60) | (119.80) | (120.00) | (120.20) | (120.40) | (120.60) | (120.80) | (121.00) | (121.20) | (121.40) | (121.60) | (121.80) | (122.00) | (122.20) | (122.40) | (122.60) | (122.80) | (123.00) | (123.20) | (123.40) | (123.60) | (123.80) | (124.00) | (124.20) | (124.40) | (124.60) | (124.80) | (125.00) | (125.20) | (125.40) | (125.60) | (125.80) | (126.00) | (126.20) | (126.40) | (126.60) | (126.80) | (127.00) | (127.20) | (127.40) | (127.60) | (127.80) | (128.00) | (128.20) | (128.40) | (128.60) | (128.80) | (129.00) | (129.20) | (129.40) | (129.60) | (129.80) | (130.00) | (130.20) | (130.40) | (130.60) | (130.80) | (131.00) | (131.20) | (131.40) | (131.60) | (131.80) | (132.00) | (132.20) | (132.40) | (132.60) | (132.80) | (133.00) | (133.20) | (133.40) | (133.60) | (133.80) | (134.00) | (134.20) | (134.40) | (134.60) | (134.80) | (135.00) | (135.20) | (135.40) | (135.60) | (135.80) | (136.00) | (136.20) | (136.40) | (136.60) | (136.80) | (137.00) | (137.20) | (137.40) | (137.60) | (137.80) | (138.00) | (138.20) | (138.40) | (138.60) | (138.80) | (139.00) | (139.20) | (139.40) | (139.60) | (139.80) | (140.00) | (140.20) | (140.40) | (140.60) | (140.80) | (141.00) | (141.20) | (141.40) | (141.60) | (141.80) | (142.00) | (142.20) | (142.40) | (142.60) | (142.80) | (143.00) | (143.20) | (143.40) | (143.60) | (143.80) | (144.00) | (144.20) | (144.40) | (144.60) | (144.80) | (145.00) | (145.20) | (145.40) | (145.60) | (145.80) | (146.00) | (146.20) | (146.40) | (146.60) | (146.80) | (147.00) | (147.20) | (147.40) | (147.60) | (147.80) | (148.00) | (148.20) | (148.40) | (148.60) | (148.80) | (149.00) | (149.20) | (149.40) | (149.60) | (149.80) | (150.00) | (150.20) | (150.40) | (150.60) | (150.80) | (151.00) | (151.20) | (151.40) | (151.60) | (151.80) | (152.00) | (152.20) | (152.40) | (152.60) | (152.80) | (153.00) | (153.20) | (153.40) | (153.60) | (153.80) | (154.00) | (154.20) | (154.40) | (154.60) | (154.80) | (155.00) | (155.20) | (155.40) | (155.60) | (155.80) | (156.00) | (156.20) | (156.40) | (156.60) | (156.80) | (157.00) | (157.20) | (157.40) | (157.60) | (157.80) | (158.00) | (158.20) | (158.40) | (158.60) | (158.80) | (159.00) | (159.20) | (159.40) | (159.60) | (159.80) | (160.00) | (160.20) | (160.40) | (160.60) | (160.80) | (161.00) | (161.20) | (161.40) | (161.60) | (161.80) | (162.00) | (162.20) | (162.40) | (162.60) | (162.80) | (163.00) | (163.20) | (163.40) | (163.60) | (163.80) | (164.00) | (164.20) | (164.40) | (164.60) | (164.80) | (165.00) | (165.20) | (165.40) | (165.60) | (165.80) | (166.00) | (166.20) | (166.40) | (166.60) | (166.80) | (167.00) | (167.20) | (167.40) | (167.60) | (167.80) | (168.00) | (168.20) | (168.40) | (168.60) | (168.80) | (169.00) | (169.20) | (169.40) | (169.60) | (169.80) | (170.00) | (170.20) | (170.40) | (170.60) | (170.80) | (171.00) | (171.20) | (171.40) | (171.60) | (171.80) | (172.00) | (172.20) | (172.40) | (172.60) | (172.80) | (173.00) | (173.20) | (173.40) | (173.60) | (173.80) | (174.00) | (174.20) | (174.40) | (174.60) | (174.80) | (175.00) | (175.20) | (175.40) | (175.60) | (175.80) | (176.00) | (176.20) | (176.40) | (176.60) | (176.80) | (177.00) | (177.20) | (177.40) | (177.60) | (177.80) | (178.00) | (178.20) | (178.40) | (178.60) | (178.80) | (179.00) | (179.20) | (179.40) | (179.60) | (179.80) | (180.00) | (180.20) | (180.40) | (180.60) | (180.80) | (181.00) | (181.20) | (181.40) | (181.60) | (181.80) | (182.00) | (182.20) | (182.40) | (182.60) | (182.80) | (183.00) | (183.20) | (183.40) | (183.60) | (183.80) | (184.00) | (184.20) | (184.40) | (184.60) | (184.80) | (185.00) | (185.20) | (185.40) | (185.60) | (185.80) | (186.00) | (186.20) | (186.40) | (186.60) | (186.80) | (187.00) | (187.20) | (187.40) | (187.60) | (187.80) | (188.00) | (188.20) | (188.40) | (188.60) | (188.80) | (189.00) | (189.20) | (189.40) | (189.60) | (189.80) | (190.00) | (190.20) | (190.40) | (190.60) | (190.80) | (191.00) | (191.20) | (191.40) | (191.60) | (191.80) | (192.00) | (192.20) | (192.40) | (192.60) | (192.80) | (193.00) | (193.20) | (193.40) | (193.60) | (193.80) | (194.00) | (194.20) | (194.40) | (194.60) | (194.80) | (195.00) | (195.20) | (195.40) | (195.60) | (195.80) | (196.00) | (196.20) | (196.40) | (196.60) | (196.80) | (197.00) | (197.20) | (197.40) | (197.60) | (197.80) | (198.00) | (198.20) | (198.40) | (198.60) | (198.80) | (199.00) | (199.20) | (199.40) | (199.60) | (199.80) | (200.00) | (200.20) | (200.40) | (200.60) | (200.80) | (201.00) |

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|------|------|-------|
| FREQ. (0.70) | (0.57) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| 50 | 81.1 | 84.9 | 87.6 | 89.9 | 91.7 | 93.3 | 94.4 | 96.2 | 97.9 | 99.6 | 101.7 | 103.7 | 105.1 | 107.8 | 107.6 | | | | 153.0 |
| 63 | 83.1 | 85.2 | 87.2 | 88.5 | 89.9 | 91.2 | 92.4 | 94.2 | 95.6 | 97.9 | 100.6 | 103.7 | 106.1 | 108.9 | 108.9 | | | | 155.1 |
| 80 | 84.2 | 85.7 | 87.2 | 88.0 | 89.9 | 91.2 | 92.4 | 94.2 | 95.5 | 97.9 | 100.6 | 103.7 | 106.1 | 108.9 | 110.0 | | | | 157.0 |
| 100 | 85.3 | 87.6 | 89.1 | 91.0 | 92.3 | 93.7 | 95.0 | 96.9 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 110.6 | | | | 158.3 |
| 125 | 87.1 | 88.4 | 89.6 | 90.4 | 92.0 | 93.4 | 95.0 | 96.7 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 111.1 | | | | 159.3 |
| 160 | 89.2 | 89.9 | 91.7 | 91.7 | 93.3 | 94.4 | 96.2 | 97.9 | 99.6 | 101.7 | 103.7 | 105.1 | 107.8 | 107.6 | 109.4 | | | | 156.7 |
| 200 | 88.2 | 89.8 | 92.3 | 92.1 | 93.2 | 94.8 | 96.2 | 97.9 | 99.6 | 101.7 | 103.7 | 105.1 | 107.8 | 107.6 | 109.4 | | | | 155.7 |
| 250 | 88.9 | 90.9 | 92.2 | 91.7 | 93.6 | 94.9 | 96.7 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | | | | 154.8 |
| 315 | 88.9 | 90.9 | 92.2 | 91.7 | 93.6 | 94.9 | 96.7 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | | | | 154.1 |
| 400 | 88.8 | 90.8 | 92.3 | 92.9 | 94.5 | 95.3 | 97.0 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | | | | 154.0 |
| 500 | 88.5 | 90.6 | 92.9 | 93.1 | 95.0 | 95.3 | 97.0 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | | | | 154.6 |
| 630 | 87.6 | 90.2 | 92.2 | 92.2 | 93.8 | 94.9 | 96.7 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | | | | 154.6 |
| 800 | 87.5 | 90.6 | 92.1 | 92.9 | 94.4 | 95.1 | 96.7 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | | | | 155.0 |
| 1000 | 86.9 | 89.7 | 92.0 | 92.8 | 95.1 | 96.7 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | 106.7 | | | | 155.3 |
| 1250 | 86.6 | 88.7 | 90.8 | 92.5 | 95.1 | 96.7 | 98.4 | 100.6 | 102.7 | 104.9 | 107.2 | 109.9 | 108.7 | 105.1 | 107.0 | | | | 155.1 |
| 1600 | 85.0 | 89.9 | 90.7 | 92.0 | 95.5 | 95.9 | 97.8 | 101.0 | 103.2 | 103.9 | 105.3 | 107.4 | 107.1 | | | | | | 155.1 |
| 2000 | 82.8 | 87.8 | 89.9 | 91.4 | 93.7 | 95.0 | 97.1 | 99.6 | 101.7 | 102.6 | 104.2 | 105.8 | 106.0 | | | | | | 153.9 |
| 2500 | 82.0 | 87.0 | 89.2 | 91.1 | 93.4 | 94.5 | 96.7 | 99.4 | 101.4 | 101.7 | 102.5 | 104.8 | 105.5 | | | | | | 153.3 |
| 3150 | 79.8 | 84.3 | 86.7 | 88.5 | 92.8 | 93.1 | 95.4 | 97.1 | 100.7 | 99.5 | 100.8 | 102.7 | 103.4 | | | | | | 151.8 |
| 4000 | 77.4 | 83.2 | 84.6 | 87.2 | 89.6 | 91.1 | 92.6 | 94.9 | 98.1 | 97.5 | 99.6 | 99.1 | 100.7 | | | | | | 149.7 |
| 5000 | 76.7 | 82.7 | 83.4 | 87.3 | 89.9 | 90.8 | 91.8 | 94.6 | 97.4 | 95.7 | 98.2 | 99.3 | 99.8 | | | | | | 149.2 |
| 6300 | 74.1 | 80.4 | 84.0 | 86.1 | 86.9 | 89.2 | 89.7 | 93.2 | 95.1 | 94.4 | 96.5 | 96.1 | 97.4 | | | | | | 147.6 |
| 8000 | 71.6 | 77.1 | 81.3 | 82.6 | 82.5 | 85.8 | 86.3 | 89.4 | 91.1 | 91.1 | 94.2 | 93.2 | 93.6 | | | | | | 145.2 |
| 10000 | 71.4 | 75.6 | 80.6 | 80.1 | 79.6 | 85.1 | 85.2 | 86.7 | 88.4 | 88.4 | 92.6 | 90.3 | 91.3 | | | | | | 144.4 |
| 12500 | 75.2 | 78.5 | 84.8 | 82.2 | 81.2 | 89.6 | 88.9 | 86.5 | 88.6 | 91.0 | 96.9 | 90.8 | 93.1 | | | | | | 148.8 |
| OVERALL CALCULATED | 99.5 | 102.0 | 103.7 | 104.4 | 106.5 | 107.7 | 109.3 | 112.3 | 115.0 | 117.9 | 120.2 | 121.4 | 120.2 | | | | | | 168.3 |
| PROB | 108.3 | 112.3 | 114.3 | 115.7 | 117.9 | 119.1 | 120.8 | 123.6 | 126.2 | 127.3 | 128.8 | 130.1 | 130.0 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 322 ACoustic RANGE 45.7m(150ft.) ARC SIZE FULL - 33m²(513in.²)

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 24 HR. 12.1

F. 70 PERCENT REL. HUM. DAY

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F 70 PERCENT REL HUM DAY) | | | | | | | | | | | | | | | | | |
|--|--|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | |
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| NO EGA | | 50 | 52.9 | 58.3 | 59.1 | 61.6 | 64.1 | 64.9 | 65.9 | 67.6 | 70.1 | 74.1 | 77.0 | 77.4 | 76.9 | 79.1 | 76.9 |
| SIDELINE 2400. FT. | | 63 | 54.9 | 58.5 | 61.6 | 62.1 | 64.1 | 65.1 | 66.4 | 69.6 | 72.3 | 77.1 | 79.9 | 79.1 | 76.9 | 79.1 | 76.9 |
| (731.52 M) | | 80 | 55.9 | 59.0 | 61.6 | 63.1 | 65.4 | 66.9 | 67.9 | 70.6 | 73.6 | 79.3 | 81.9 | 81.1 | 75.8 | 82.0 | 76.2 |
| HFA (0. RAD/SEC) | | 100 | 56.9 | 60.8 | 62.1 | 64.2 | 66.4 | 67.9 | 69.2 | 71.9 | 74.9 | 79.8 | 82.4 | 82.0 | 76.2 | 81.9 | 76.5 |
| NFK (0. RAD/SEC) | | 125 | 58.5 | 61.4 | 63.8 | 65.3 | 67.4 | 68.9 | 70.4 | 73.3 | 75.8 | 80.2 | 82.8 | 81.9 | 76.5 | 78.7 | 74.5 |
| MFD (785. RAD/SEC) | | 160 | 60.4 | 62.9 | 65.8 | 66.6 | 68.6 | 69.8 | 71.6 | 74.1 | 75.8 | 79.7 | 80.7 | 78.7 | 74.5 | 77.3 | 71.7 |
| AIRFLOW RATIO | | 200 | 59.3 | 62.5 | 66.2 | 66.8 | 68.3 | 70.0 | 71.3 | 74.3 | 76.7 | 79.1 | 78.6 | 77.3 | 71.7 | 74.8 | 69.3 |
| WF/NM 6.81 | | 250 | 59.6 | 63.2 | 66.6 | 66.4 | 68.2 | 70.5 | 71.7 | 74.5 | 76.4 | 78.0 | 75.7 | 72.2 | 66.7 | 72.2 | 66.7 |
| VEHICLE CELL 41 | | 315 | 59.4 | 63.2 | 65.7 | 66.0 | 68.3 | 69.8 | 72.1 | 74.5 | 76.4 | 78.0 | 75.7 | 72.2 | 66.7 | 72.2 | 66.7 |
| CONFIG NCAT | | 400 | 58.8 | 62.7 | 65.5 | 66.9 | 68.9 | 69.9 | 71.4 | 74.6 | 77.0 | 76.8 | 74.6 | 71.5 | 65.4 | 71.8 | 65.5 |
| LOC C41 ANECH CH | | 500 | 58.0 | 62.0 | 65.6 | 66.8 | 69.1 | 69.6 | 71.1 | 74.3 | 76.9 | 77.6 | 75.4 | 71.8 | 65.5 | 71.8 | 65.5 |
| DATE 04-01-76 | | 630 | 56.4 | 61.0 | 64.5 | 65.4 | 67.5 | 68.8 | 70.7 | 73.4 | 75.0 | 76.4 | 74.5 | 72.0 | 64.7 | 72.0 | 64.7 |
| RUN CONFLOWELMC | | 800 | 55.4 | 60.7 | 63.7 | 65.4 | 67.6 | 68.3 | 69.8 | 73.4 | 74.4 | 74.8 | 74.0 | 72.2 | 64.1 | 72.2 | 64.1 |
| TAPE X03220 | | 1000 | 53.7 | 59.0 | 62.8 | 64.6 | 67.5 | 69.3 | 70.3 | 72.6 | 73.6 | 73.1 | 73.6 | 71.0 | 63.2 | 71.0 | 63.2 |
| FAN TIP SPEED | | 1250 | 52.1 | 56.8 | 60.6 | 63.5 | 66.7 | 68.3 | 69.9 | 71.5 | 72.3 | 72.5 | 71.3 | 68.8 | 60.9 | 68.8 | 60.9 |
| FT/SEC | | 1600 | 48.5 | 56.4 | 59.1 | 61.6 | 65.8 | 66.4 | 68.1 | 70.6 | 71.6 | 70.3 | 68.6 | 66.2 | 57.3 | 68.6 | 57.3 |
| | | 2000 | 44.0 | 52.3 | 56.6 | 59.5 | 62.5 | 64.1 | 65.9 | 67.7 | 68.4 | 67.1 | 65.4 | 61.6 | 51.8 | 61.6 | 51.8 |
| | | 2500 | 39.8 | 48.8 | 53.4 | 56.9 | 60.1 | 61.5 | 63.4 | 65.2 | 65.7 | 63.4 | 60.4 | 56.2 | 44.8 | 56.2 | 44.8 |
| | | 3150 | 35.2 | 41.6 | 47.0 | 50.8 | 56.1 | 56.7 | 58.7 | 59.3 | 61.0 | 56.7 | 53.3 | 47.2 | 32.4 | 47.2 | 32.4 |
| | | 4000 | 21.8 | 33.8 | 39.0 | 44.0 | 47.7 | 49.6 | 50.7 | 51.7 | 52.5 | 48.1 | 44.0 | 33.1 | 14.2 | 33.1 | 14.2 |
| | | 5000 | 16.4 | 29.4 | 36.4 | 41.0 | 45.0 | 46.4 | 46.9 | 48.3 | 48.4 | 42.4 | 37.9 | 27.2 | 4.4 | 37.9 | 27.2 |
| | | 6300 | 0.1 | 15.6 | 25.0 | 30.5 | 33.3 | 36.1 | 36.0 | 37.6 | 36.0 | 29.6 | 22.4 | 6.1 | | 22.4 | 6.1 |
| | | 8000 | | | 6.8 | 12.9 | 15.4 | 19.6 | 19.2 | 19.7 | 16.6 | 8.7 | | | | | |
| | | 10000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 12500 | 69.3 | 73.1 | 75.9 | 77.3 | 79.6 | 80.9 | 82.4 | 85.1 | 87.1 | 89.6 | 90.5 | 89.2 | 84.0 | 89.2 | 84.0 |
| PND8 | | | 72.9 | 77.9 | 81.2 | 83.2 | 86.5 | 87.6 | 89.2 | 91.7 | 93.2 | 93.9 | 93.2 | 91.2 | 84.4 | 91.2 | 84.4 |

ANECCHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 322 ACQUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in.²)

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 3 | 323 | 65.7m(150ft.) ARC | FULL-33m ² (513in. ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SIDELINE 2400. FT.
(731.52 M) | | | | | | | | | | | | | |
| NFA (0. RAD/SEC) | | | | | | | | | | | | | |
| NFK (0. RAD/SEC) | | | | | | | | | | | | | |
| NFD (7500. RPM) | | | | | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | |
| WF/WH 6.81 | | | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | |
| CONFIG NCA1 | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | |
| BATE 05-01-76 | | | | | | | | | | | | | |
| RUN CONF3LOWFLWC | | | | | | | | | | | | | |
| TAPE X03230 | | | | | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| 63 | 43.9 | 47.8 | 49.9 | 52.4 | 54.9 | 56.6 | 58.1 | 59.1 | 60.6 | 61.6 | 64.5 | 64.9 | 61.7 |
| 80 | 45.1 | 48.7 | 51.8 | 52.9 | 54.6 | 55.6 | 59.1 | 60.6 | 63.1 | 66.4 | 65.8 | 61.9 | 61.5 |
| 100 | 45.6 | 48.7 | 51.4 | 53.1 | 54.9 | 56.4 | 57.6 | 59.6 | 61.1 | 63.8 | 65.9 | 65.6 | 61.5 |
| 125 | 46.4 | 49.8 | 52.1 | 54.4 | 55.7 | 57.4 | 58.9 | 61.4 | 62.1 | 63.8 | 65.4 | 64.8 | 59.4 |
| 160 | 47.0 | 50.9 | 53.3 | 55.6 | 56.9 | 58.1 | 59.1 | 61.6 | 63.1 | 64.5 | 65.8 | 63.4 | 57.5 |
| 200 | 48.2 | 51.4 | 54.3 | 55.8 | 57.3 | 58.6 | 59.8 | 62.3 | 62.6 | 64.2 | 65.0 | 61.0 | 55.0 |
| 250 | 47.8 | 51.3 | 55.7 | 55.8 | 57.0 | 59.3 | 59.5 | 62.8 | 63.9 | 64.4 | 60.6 | 53.4 | 53.4 |
| 315 | 48.1 | 52.7 | 55.1 | 56.2 | 58.0 | 60.2 | 59.7 | 61.9 | 63.9 | 65.3 | 64.7 | 61.3 | 55.0 |
| 400 | 48.6 | 53.4 | 57.2 | 56.8 | 58.3 | 59.6 | 60.1 | 62.8 | 63.4 | 65.3 | 65.2 | 62.4 | 55.4 |
| 500 | 49.0 | 53.4 | 58.0 | 58.9 | 60.7 | 60.2 | 60.7 | 62.6 | 63.5 | 63.5 | 64.6 | 63.2 | 56.7 |
| 630 | 47.8 | 54.3 | 58.9 | 58.3 | 59.6 | 60.1 | 60.6 | 62.5 | 63.1 | 62.9 | 61.6 | 55.2 | 55.2 |
| 800 | 46.2 | 53.0 | 57.7 | 57.4 | 59.2 | 59.5 | 60.5 | 62.6 | 62.2 | 62.4 | 60.5 | 58.5 | 51.7 |
| 1000 | 44.6 | 52.2 | 55.7 | 57.2 | 58.6 | 59.1 | 60.1 | 62.2 | 61.9 | 60.8 | 59.3 | 57.2 | 50.1 |
| 1250 | 41.5 | 49.2 | 53.9 | 55.9 | 57.8 | 59.1 | 59.6 | 60.6 | 61.6 | 59.9 | 57.6 | 54.8 | 47.0 |
| 1600 | 39.1 | 46.3 | 51.1 | 54.2 | 56.9 | 57.7 | 58.7 | 60.2 | 60.6 | 59.3 | 56.5 | 51.3 | 43.1 |
| 2000 | 35.6 | 44.9 | 49.6 | 51.9 | 55.4 | 55.4 | 56.6 | 58.4 | 59.6 | 57.1 | 53.3 | 47.5 | 38.8 |
| 2500 | 31.5 | 41.4 | 46.2 | 49.0 | 52.1 | 53.7 | 54.7 | 56.3 | 55.9 | 53.4 | 49.2 | 42.9 | 33.1 |
| 3150 | 27.1 | 36.8 | 42.5 | 46.3 | 49.4 | 50.5 | 52.0 | 53.0 | 53.8 | 49.0 | 45.0 | 37.1 | 25.1 |
| 4000 | 20.0 | 29.9 | 36.8 | 40.6 | 45.2 | 45.8 | 46.8 | 46.9 | 48.4 | 43.4 | 36.9 | 28.0 | 13.0 |
| 5000 | 9.7 | 22.1 | 28.4 | 33.3 | 37.6 | 38.8 | 38.6 | 39.4 | 39.9 | 33.7 | 27.1 | 13.2 | |
| 6300 | 4.5 | 18.3 | 25.8 | 29.7 | 34.7 | 34.8 | 35.1 | 36.0 | 34.6 | 27.6 | 19.6 | 6.7 | |
| 8000 | 4.1 | 15.0 | 2.0 | 7.5 | 8.6 | 8.3 | 7.3 | 2.7 | | | | | |
| 10000 | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | |
| OVERALL CALCULATED | 58.4 | 63.3 | 67.1 | 68.0 | 69.8 | 70.7 | 71.4 | 73.6 | 74.4 | 75.2 | 75.9 | 74.2 | 69.2 |
| PMDB | 61.5 | 67.8 | 72.5 | 73.6 | 76.1 | 76.8 | 77.7 | 79.5 | 80.4 | 79.3 | 78.8 | 76.2 | 69.1 |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 24 HR. 10.7

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIAN)

| | | ANGLES FROM
INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| | | 50 | | | | | | | | | | | | | | | | | |
| | | 60 | | | | | | | | | | | | | | | | | |
| | | 80 | | | | | | | | | | | | | | | | | |
| NO EGA | | 100 | 62.6 | 71.7 | 69.7 | 70.7 | 71.8 | 72.2 | 71.8 | 72.7 | 72.9 | 75.5 | 79.9 | 78.4 | 80.7 | 116.5 | 116.1 | 116.1 | |
| RADIAL (12. M) | | 125 | 62.8 | 66.9 | 67.9 | 69.7 | 70.7 | 71.4 | 71.7 | 73.7 | 71.9 | 72.2 | 79.6 | 80.3 | 80.1 | 117.3 | 117.3 | 117.3 | |
| VEHICLE CELL41 | | 160 | 64.1 | 65.7 | 67.9 | 68.2 | 69.8 | 69.9 | 70.5 | 72.2 | 73.7 | 77.5 | 80.7 | 81.4 | 82.9 | 120.8 | 120.8 | 120.8 | |
| CONF13 NC41 | | 200 | 65.8 | 66.8 | 69.0 | 70.6 | 70.7 | 70.8 | 71.9 | 74.8 | 77.0 | 79.4 | 82.8 | 86.8 | 87.3 | 122.2 | 122.2 | 122.2 | |
| LOC C41 ANECH CH | | 250 | 65.8 | 67.8 | 69.3 | 69.6 | 71.2 | 72.6 | 74.5 | 76.1 | 77.3 | 81.2 | 86.1 | 87.5 | 88.3 | 124.4 | 124.4 | 124.4 | |
| DATE 06-01-76 | | 315 | 67.2 | 69.4 | 70.9 | 72.7 | 74.3 | 74.4 | 75.3 | 78.5 | 79.9 | 82.8 | 87.2 | 90.6 | 90.4 | 125.0 | 125.0 | 125.0 | |
| RUN CONF3LO-FLWC | | 400 | 68.4 | 70.2 | 72.2 | 72.5 | 74.1 | 75.2 | 76.6 | 79.0 | 81.0 | 84.3 | 88.7 | 90.7 | 90.5 | 124.8 | 124.8 | 124.8 | |
| TAPE X03240 | | 500 | 69.0 | 70.5 | 72.0 | 72.8 | 74.4 | 75.8 | 76.9 | 79.8 | 81.5 | 85.1 | 88.3 | 90.2 | 89.5 | 124.7 | 124.7 | 124.7 | |
| BAR 29.3 HG | | 630 | 70.1 | 71.6 | 72.6 | 74.2 | 75.3 | 76.6 | 78.3 | 80.9 | 82.9 | 85.5 | 88.4 | 89.6 | 87.4 | 124.7 | 124.7 | 124.7 | |
| (98975. N/M2) | | 800 | 70.6 | 72.9 | 73.9 | 75.2 | 76.3 | 77.4 | 79.3 | 81.9 | 83.7 | 86.0 | 88.4 | 88.4 | 85.9 | 124.3 | 124.3 | 124.3 | |
| TAMB 61. DEG F | | 1000 | 71.9 | 73.7 | 75.2 | 75.5 | 76.9 | 78.2 | 79.4 | 82.5 | 84.2 | 85.6 | 87.5 | 86.7 | 84.2 | 124.6 | 124.6 | 124.6 | |
| (289. DEG K) | | 1250 | 71.3 | 73.6 | 76.6 | 76.4 | 77.2 | 78.6 | 79.4 | 83.1 | 84.8 | 86.6 | 87.1 | 87.0 | 84.1 | 125.2 | 125.2 | 125.2 | |
| TWET 59. DEG F | | 1600 | 71.6 | 74.9 | 76.4 | 76.7 | 78.1 | 79.7 | 80.3 | 82.2 | 84.7 | 86.8 | 88.5 | 88.7 | 86.5 | 125.6 | 125.6 | 125.6 | |
| (288. DEG K) | | 2000 | 73.2 | 76.2 | 78.5 | 77.3 | 78.1 | 79.2 | 81.1 | 83.0 | 84.7 | 86.8 | 88.5 | 88.7 | 86.5 | 126.0 | 126.0 | 126.0 | |
| HACT12.09 GH/M3 | | 2500 | 73.5 | 76.8 | 79.3 | 79.1 | 80.4 | 80.1 | 81.2 | 83.4 | 85.3 | 86.4 | 87.6 | 89.5 | 87.8 | 125.7 | 125.7 | 125.7 | |
| (.01209 KG/M3) | | 3150 | 72.7 | 77.5 | 80.1 | 79.1 | 79.9 | 80.0 | 80.9 | 83.1 | 85.3 | 86.4 | 86.8 | 88.8 | 87.3 | 125.2 | 125.2 | 125.2 | |
| FREQ. SHIFT | | 4000 | 72.0 | 76.8 | 79.6 | 78.1 | 79.4 | 80.3 | 81.2 | 83.9 | 85.1 | 86.4 | 85.4 | 86.8 | 85.6 | 125.2 | 125.2 | 125.2 | |
| JET | | 5000 | 70.9 | 75.9 | 78.2 | 79.0 | 79.8 | 81.2 | 81.6 | 84.0 | 85.7 | 85.6 | 85.0 | 86.9 | 84.9 | 124.9 | 124.9 | 124.9 | |
| DIAMETER RATIO | | 6300 | 68.7 | 74.5 | 77.3 | 78.3 | 79.4 | 81.0 | 82.2 | 83.8 | 86.1 | 85.7 | 85.1 | 85.2 | 83.8 | 123.4 | 123.4 | 123.4 | |
| DF/DH 1 | | 8000 | 67.7 | 72.8 | 75.4 | 77.4 | 79.5 | 80.6 | 81.7 | 83.6 | 85.9 | 85.3 | 84.2 | 84.3 | 82.6 | 122.7 | 122.7 | 122.7 | |
| | | 10000 | 65.9 | 72.3 | 75.1 | 76.1 | 79.1 | 79.3 | 80.9 | 83.3 | 85.8 | 85.2 | 82.9 | 83.3 | 81.5 | 118.7 | 118.7 | 118.7 | |
| | | 12500 | 64.0 | 70.0 | 73.2 | 74.4 | 77.2 | 78.0 | 80.1 | 81.6 | 83.9 | 82.9 | 81.3 | 81.6 | 79.5 | 118.2 | 118.2 | 118.2 | |
| | | 16000 | 62.1 | 68.4 | 71.1 | 73.5 | 76.0 | 76.9 | 78.3 | 80.2 | 82.8 | 80.8 | 79.9 | 79.4 | 78.1 | 116.8 | 116.8 | 116.8 | |
| | | 20000 | 59.3 | 65.4 | 68.5 | 70.6 | 74.2 | 74.2 | 76.3 | 77.7 | 80.6 | 78.6 | 76.2 | 76.3 | 75.5 | 114.1 | 114.1 | 114.1 | |
| | | 25000 | 56.4 | 63.5 | 65.6 | 67.2 | 70.4 | 70.9 | 71.9 | 73.2 | 76.6 | 74.0 | 73.6 | 71.1 | 71.2 | 119.6 | 119.6 | 119.6 | |
| | | 31500 | 53.2 | 60.8 | 64.5 | 65.7 | 68.7 | 68.4 | 69.1 | 71.5 | 73.8 | 69.9 | 68.8 | 69.2 | 67.9 | | | | |
| | | 40000 | 49.3 | 55.9 | 60.6 | 61.3 | 64.4 | 64.2 | 64.9 | 67.5 | 68.6 | 65.7 | 64.3 | 62.6 | 61.9 | | | | |
| | | 50000 | 44.2 | 49.6 | 54.6 | 54.6 | 57.7 | 58.3 | 58.7 | 59.6 | 60.6 | 59.4 | 57.2 | 54.9 | 53.5 | | | | |
| | | 63000 | 39.6 | 43.5 | 48.4 | 47.9 | 53.1 | 52.8 | 53.2 | 52.4 | 53.2 | 52.6 | 50.9 | 46.3 | 46.0 | | | | |
| | | 80000 | 36.5 | 39.8 | 46.2 | 42.8 | 50.2 | 50.4 | 50.0 | 45.6 | 46.5 | 49.4 | 47.8 | 40.4 | 42.1 | | | | |
| OVERALL MEASURED | | | 83.3 | 87.0 | 89.2 | 89.5 | 90.9 | 91.8 | 93.0 | 95.3 | 97.2 | 98.3 | 99.8 | 100.9 | 99.8 | | | | |
| OVERALL CALCULATED | | | 96.2 | 100.3 | 102.7 | 102.4 | 103.6 | 104.3 | 105.3 | 107.7 | 109.5 | 110.7 | 111.7 | 113.1 | 111.7 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 324 ACQUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-71.3cm²(11.1in²)

| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----|-----|-------|
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. |) |
| NO EGA | | 50 | 72.5 | 74.6 | 76.1 | 77.9 | 79.5 | 79.6 | 80.5 | 83.7 | 85.1 | 87.9 | 92.4 | 95.8 | 95.6 | | | 141.1 |
| NOG. NO. G. | | 63 | 73.6 | 75.4 | 77.4 | 77.7 | 79.3 | 80.4 | 81.8 | 84.2 | 86.2 | 89.5 | 93.9 | 95.9 | 95.7 | | | 141.7 |
| RADIAL 150. FT. | | 80 | 74.2 | 75.7 | 77.2 | 78.0 | 79.6 | 81.0 | 82.1 | 85.0 | 86.7 | 90.3 | 93.5 | 95.4 | 94.7 | | | 141.5 |
| (45. M) | | 100 | 75.3 | 76.8 | 77.8 | 79.4 | 80.5 | 81.8 | 83.5 | 86.1 | 88.1 | 90.7 | 93.6 | 94.8 | 92.6 | | | 141.4 |
| VEHICLE CELL 41 | | 125 | 75.8 | 78.1 | 79.1 | 80.4 | 81.5 | 82.6 | 84.5 | 87.1 | 88.9 | 91.2 | 93.6 | 93.6 | 91.1 | | | 141.4 |
| CONFIG NC41 | | 160 | 77.2 | 78.9 | 80.4 | 80.7 | 82.1 | 83.4 | 84.6 | 87.7 | 89.4 | 90.8 | 92.7 | 91.9 | 89.4 | | | 140.9 |
| LOC C41 ANECH CH | | 200 | 76.5 | 78.8 | 81.8 | 81.6 | 82.4 | 83.8 | 84.7 | 88.3 | 90.0 | 91.9 | 92.3 | 92.2 | 89.3 | | | 141.3 |
| DATE 06-01-76 | | 250 | 76.9 | 80.1 | 81.7 | 81.9 | 83.3 | 84.9 | 85.5 | 87.4 | 89.9 | 92.5 | 93.4 | 93.1 | 90.6 | | | 141.9 |
| RUN CONF3LOWFLWC | | 315 | 78.4 | 81.4 | 83.7 | 82.5 | 83.3 | 84.4 | 86.3 | 88.2 | 90.0 | 92.0 | 93.7 | 93.9 | 91.7 | | | 142.3 |
| TAPE X03240 | | 400 | 78.8 | 82.1 | 84.6 | 84.4 | 85.7 | 85.3 | 86.5 | 88.6 | 90.6 | 91.7 | 92.9 | 94.8 | 93.1 | | | 142.7 |
| BAR 29.3 HG | | 500 | 78.0 | 82.8 | 85.3 | 84.4 | 85.2 | 85.3 | 86.2 | 88.4 | 90.6 | 91.7 | 92.1 | 94.0 | 92.6 | | | 142.6 |
| (93975. N/M2) | | 630 | 77.4 | 82.2 | 84.9 | 83.5 | 84.8 | 85.7 | 86.5 | 89.2 | 90.4 | 91.8 | 90.7 | 92.1 | 90.9 | | | 141.9 |
| TAMB 61. DEG F | | 800 | 76.3 | 81.3 | 83.6 | 84.4 | 85.2 | 86.6 | 86.9 | 89.4 | 91.1 | 90.9 | 90.4 | 92.3 | 90.3 | | | 141.9 |
| (289. DEG K) | | 1000 | 74.2 | 80.0 | 82.8 | 83.8 | 84.9 | 86.5 | 87.6 | 89.3 | 91.5 | 91.1 | 90.6 | 90.7 | 89.2 | | | 141.8 |
| TWET 59. DEG F | | 1250 | 73.4 | 78.5 | 81.0 | 83.0 | 85.1 | 86.2 | 87.4 | 89.3 | 91.5 | 90.9 | 89.8 | 90.0 | 88.2 | | | 141.5 |
| (288. DEG K) | | 1600 | 71.8 | 78.2 | 81.0 | 82.0 | 85.1 | 85.2 | 86.8 | 89.2 | 91.7 | 91.1 | 88.8 | 89.2 | 87.4 | | | 141.4 |
| WACT12.09 GM/M3 | | 2000 | 70.3 | 76.3 | 79.5 | 80.7 | 83.5 | 84.3 | 86.4 | 87.9 | 90.2 | 89.1 | 87.5 | 87.9 | 85.8 | | | 140.1 |
| (.01209 KG/M3) | | 2500 | 69.0 | 75.3 | 78.0 | 80.4 | 83.0 | 83.8 | 85.3 | 87.2 | 89.8 | 87.8 | 86.9 | 86.4 | 85.1 | | | 139.4 |
| FREQ. SHIFT | | 3150 | 67.1 | 73.1 | 76.3 | 78.4 | 81.9 | 83.0 | 84.0 | 85.4 | 88.3 | 86.3 | 84.0 | 84.1 | 83.2 | | | 137.9 |
| JET 8 | | 4000 | 65.3 | 72.3 | 74.5 | 76.0 | 79.3 | 79.7 | 80.8 | 82.1 | 85.5 | 82.9 | 82.5 | 80.0 | 80.1 | | | 135.4 |
| DIAMETER RATIO | | 5000 | 64.1 | 71.6 | 75.3 | 76.3 | 79.5 | 79.2 | 80.0 | 82.3 | 84.6 | 80.7 | 79.7 | 80.0 | 78.7 | | | 134.8 |
| DF/DW 6.81 | | 6300 | 62.9 | 69.4 | 74.1 | 74.8 | 77.9 | 77.7 | 78.4 | 81.0 | 82.1 | 79.2 | 77.8 | 76.1 | 75.4 | | | 133.5 |
| | | 8000 | 61.1 | 66.5 | 71.4 | 71.5 | 74.6 | 75.2 | 75.6 | 76.5 | 77.3 | 76.3 | 74.1 | 71.8 | 70.4 | | | 130.8 |
| | | 10000 | 61.5 | 65.5 | 70.4 | 69.8 | 75.0 | 74.7 | 75.1 | 74.4 | 75.1 | 74.5 | 72.8 | 68.2 | 68.0 | | | 130.7 |
| | | 12500 | 65.9 | 69.2 | 75.6 | 72.2 | 79.7 | 79.8 | 79.4 | 75.0 | 75.9 | 78.8 | 77.2 | 69.8 | 71.5 | | | 136.3 |
| OVERALL CALCULATED | | | 88.4 | 92.2 | 94.6 | 94.9 | 96.6 | 97.4 | 98.6 | 100.8 | 102.8 | 103.6 | 104.7 | 105.8 | 104.3 | | | 154.6 |
| PWDB | | | 96.2 | 101.5 | 104.2 | 105.4 | 107.7 | 108.4 | 109.7 | 111.7 | 114.0 | 113.3 | 113.0 | 113.1 | 111.6 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **3** TEST POINT **324** ACoustic RANGE **45.7m(150ft.) ARC** SIZE **FULL-.33m²(513in.²)**

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SCALE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PROC. DATE - MONTH 8 DAY 24 HR. 12.1 | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| 50 | 76.6 | 79.1 | 80.4 | 81.9 | 83.5 | 84.1 | 85.3 | 87.9 | 90.1 |
| 63 | 77.9 | 80.4 | 81.9 | 83.5 | 84.1 | 85.3 | 87.9 | 90.1 | 94.7 |
| 80 | 79.5 | 80.5 | 81.7 | 83.3 | 84.1 | 85.7 | 87.4 | 89.7 | 91.9 |
| 100 | 80.3 | 81.8 | 82.8 | 84.1 | 85.2 | 86.8 | 88.7 | 91.1 | 93.8 |
| 125 | 80.8 | 82.9 | 83.6 | 85.4 | 86.7 | 88.1 | 89.2 | 92.4 | 94.9 |
| 160 | 82.7 | 83.9 | 85.2 | 86.0 | 87.8 | 88.4 | 90.6 | 93.0 | 95.7 |
| 200 | 82.2 | 83.8 | 86.0 | 86.8 | 87.4 | 89.0 | 90.7 | 93.8 | 95.8 |
| 250 | 82.4 | 84.6 | 85.4 | 86.7 | 87.8 | 89.9 | 90.3 | 92.9 | 95.7 |
| 315 | 82.7 | 85.2 | 86.7 | 88.1 | 89.4 | 91.3 | 92.9 | 95.7 | 98.7 |
| 400 | 83.3 | 85.8 | 87.8 | 88.1 | 89.5 | 90.1 | 91.8 | 94.1 | 96.5 |
| 500 | 83.5 | 86.3 | 88.6 | 89.5 | 90.1 | 91.0 | 93.9 | 96.9 | 98.7 |
| 630 | 83.6 | 87.2 | 89.2 | 89.5 | 90.7 | 91.8 | 94.2 | 96.4 | 98.5 |
| 800 | 82.3 | 85.6 | 87.6 | 88.2 | 89.5 | 90.1 | 91.7 | 94.4 | 96.3 |
| 1000 | 80.7 | 85.0 | 86.8 | 87.3 | 89.4 | 90.5 | 91.9 | 93.8 | 96.5 |
| 1250 | 79.9 | 83.2 | 85.5 | 86.0 | 88.6 | 89.6 | 91.0 | 94.2 | 96.5 |
| 1600 | 78.3 | 83.9 | 85.5 | 86.0 | 88.6 | 89.6 | 91.0 | 94.2 | 96.5 |
| 2000 | 76.6 | 82.1 | 83.4 | 84.1 | 87.9 | 88.6 | 90.8 | 92.6 | 95.4 |
| 2500 | 74.8 | 81.0 | 82.4 | 82.1 | 87.7 | 88.0 | 90.0 | 92.1 | 95.2 |
| 3150 | 72.3 | 78.8 | 81.4 | 80.8 | 86.6 | 86.4 | 88.4 | 90.4 | 93.2 |
| 4000 | 69.7 | 77.5 | 78.4 | 70.8 | 83.9 | 83.9 | 85.7 | 87.7 | 91.4 |
| 5000 | 68.9 | 77.2 | 79.2 | 71.6 | 83.4 | 83.3 | 84.8 | 87.9 | 91.0 |
| 6300 | 65.9 | 75.2 | 79.1 | 72.6 | 81.0 | 81.2 | 82.5 | 86.0 | 87.4 |
| 8000 | 63.1 | 74.0 | 77.7 | 73.2 | 77.6 | 77.9 | 78.9 | 81.5 | 83.2 |
| 10000 | 62.7 | 73.2 | 78.0 | 74.2 | 76.0 | 76.2 | 77.0 | 79.1 | 81.3 |
| 12500 | 66.1 | 77.8 | 83.9 | 79.9 | 79.5 | 79.9 | 79.8 | 81.3 | 83.7 |
| OVERALL CALCULATED | 93.7 | 96.8 | 98.7 | 96.2 | 101.0 | 101.9 | 103.3 | 105.9 | 108.4 |
| PND8 | 101.7 | 106.8 | 108.6 | 112.2 | 112.7 | 114.4 | 116.6 | 119.5 | 120.7 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 325 SIZE FULL - 33m (108ft.) ARC

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY) | | | | | | | | | | | | | | | | |
|----------------------------------|------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| SIDELINE 2400. FT.
(731.52 M) | NO EGA | 50 | 48.4 | 52.5 | 54.9 | 57.6 | 59.1 | 59.9 | 60.9 | 63.1 | 64.6 | 68.1 | 71.0 | 71.1 | 67.5 | | | |
| | | 63 | 49.6 | 53.7 | 56.3 | 57.9 | 59.4 | 60.1 | 61.4 | 64.9 | 66.3 | 70.6 | 73.2 | 72.8 | 68.4 | | | |
| | | 80 | 51.1 | 53.7 | 56.1 | 58.4 | 59.6 | 61.4 | 62.9 | 65.1 | 67.4 | 71.6 | 73.9 | 74.1 | 69.5 | | | |
| | | 100 | 51.9 | 55.0 | 57.1 | 59.2 | 60.7 | 62.4 | 64.2 | 66.2 | 68.1 | 71.3 | 73.2 | 74.0 | 68.7 | | | |
| | NFA | 125 | 52.3 | 55.9 | 57.8 | 60.3 | 62.1 | 63.6 | 64.6 | 67.3 | 69.1 | 72.0 | 73.3 | 72.4 | 67.2 | | | |
| | (0. RAD/SEC) | 160 | 53.9 | 56.9 | 59.3 | 60.8 | 63.1 | 63.8 | 65.8 | 67.8 | 69.8 | 71.7 | 71.7 | 69.0 | 64.5 | | | |
| | NFK | 200 | 53.3 | 56.5 | 60.0 | 61.5 | 62.5 | 64.3 | 65.8 | 68.5 | 69.7 | 71.1 | 70.1 | 67.6 | 61.9 | | | |
| | (0. RAD/SEC) | 250 | 53.1 | 57.2 | 59.1 | 60.9 | 62.7 | 65.0 | 65.2 | 67.4 | 69.4 | 71.3 | 69.5 | 65.6 | 61.5 | | | |
| | NFD | 315 | 53.1 | 57.4 | 60.2 | 60.8 | 62.8 | 64.3 | 66.1 | 68.3 | 69.9 | 71.3 | 69.4 | 65.4 | 59.7 | | | |
| | (7500. RAD/SEC) | 400 | 53.3 | 57.7 | 61.0 | 62.1 | 63.9 | 64.7 | 65.4 | 68.1 | 69.5 | 70.5 | 69.6 | 67.7 | 60.7 | | | |
| AIRFLOW RATIO | 500 | 53.0 | 57.8 | 61.4 | 61.5 | 63.6 | 64.6 | 65.1 | 67.5 | 69.6 | 70.1 | 69.6 | 67.6 | 62.0 | | | | |
| WF/W 6.81 | 630 | 52.2 | 58.0 | 61.5 | 61.4 | 63.2 | 64.5 | 65.5 | 67.4 | 68.7 | 69.4 | 68.0 | 67.8 | 61.5 | | | | |
| VEHICLE | 800 | 50.1 | 55.7 | 59.2 | 61.4 | 63.0 | 63.3 | 64.6 | 66.9 | 67.9 | 67.1 | 66.0 | 65.7 | 60.4 | | | | |
| CELL 41 | 1000 | 47.5 | 54.2 | 57.6 | 64.1 | 61.8 | 63.1 | 64.3 | 65.6 | 67.3 | 66.1 | 63.1 | 61.3 | 56.7 | | | | |
| CONFIG | 1250 | 45.3 | 51.3 | 54.8 | 63.2 | 60.7 | 62.5 | 62.7 | 65.0 | 66.3 | 66.0 | 61.5 | 58.3 | 53.4 | | | | |
| LOC C41 ANECH CH | 1600 | 41.8 | 50.4 | 53.9 | 61.6 | 59.6 | 60.2 | 61.4 | 63.8 | 64.9 | 64.1 | 57.8 | 54.4 | 48.8 | | | | |
| DATE 06-01-76 | 2000 | 37.8 | 46.6 | 50.1 | 60.0 | 56.8 | 57.6 | 59.7 | 60.7 | 62.1 | 60.7 | 54.5 | 50.4 | 45.1 | | | | |
| RUN CONFLOWFLWC | 2500 | 32.6 | 42.8 | 46.7 | 58.0 | 54.4 | 55.0 | 56.7 | 58.0 | 59.5 | 57.4 | 50.1 | 45.0 | 37.8 | | | | |
| TAPE | 3150 | 24.7 | 36.1 | 41.7 | 53.0 | 49.8 | 50.0 | 51.7 | 52.6 | 53.5 | 51.8 | 42.3 | 34.9 | 31.4 | | | | |
| X03250 | 4000 | 14.1 | 28.0 | 32.8 | 42.0 | 42.4 | 43.8 | 44.5 | 45.8 | 46.9 | 41.8 | 32.2 | 21.1 | 11.8 | | | | |
| FAN TIP SPEED | 5000 | 8.6 | 23.9 | 30.1 | 35.3 | 38.5 | 38.9 | 40.0 | 41.6 | 40.9 | 35.7 | 25.7 | 13.7 | 2.4 | | | | |
| FT/SEC | 6300 | | 10.4 | 20.0 | 17.1 | 27.3 | 28.2 | 28.8 | 30.4 | 28.3 | 22.4 | 9.5 | | | | | | |
| | 8000 | | 3.1 | 3.5 | 10.4 | 11.6 | 11.7 | 11.8 | 8.7 | 2.1 | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 63.6 | 67.9 | 70.8 | 53.6 | 74.3 | 75.4 | 76.7 | 78.9 | 80.5 | 82.1 | 82.5 | 81.6 | 76.7 | | | | |
| PH08 | | 66.8 | 72.6 | 76.1 | 61.1 | 80.6 | 81.5 | 82.9 | 85.0 | 96.3 | 86.6 | 84.8 | 82.7 | 76.9 | | | | |

OVERALL CALCULATED 63.6 67.9 70.8 53.6 74.3 75.4 76.7 78.9 80.5 82.1 82.5 81.6 76.7

PH08 66.8 72.6 76.1 61.1 80.6 81.3 82.9 85.0 96.3 86.6 84.8 82.7 76.9

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 325 ACoustic RANGE 731.9m(2400ft.) SIDELINE FULL-33m²(513in.²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 HR. 10.7
 MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.47)(3.63)(3.8)(4.0)(4.18)(4.35)(4.52)(4.7)(4.87)(5.06)(5.23)(5.41)(5.6)(5.78)(6.0)(6.28)(6.45)(6.63)(6.82)(7.01)(7.2)(7.39)(7.58)(7.77)(8.0)(8.18)(8.37)(8.56)(8.75)(8.94)(9.13)(9.32)(9.51)(9.7)(9.88)(10.07)(10.26)(10.45)(10.64)(10.83)(11.02)(11.21)(11.4)(11.59)(11.78)(11.97)(12.16)(12.35)(12.54)(12.73)(12.92)(13.11)(13.3)(13.49)(13.68)(13.87)(14.06)(14.25)(14.44)(14.63)(14.82)(15.01)(15.2)(15.39)(15.58)(15.77)(15.96)(16.15)(16.34)(16.53)(16.72)(16.91)(17.1)(17.29)(17.48)(17.67)(17.86)(18.05)(18.24)(18.43)(18.62)(18.81)(19.0)(19.19)(19.38)(19.57)(19.76)(19.95)(20.14)(20.33)(20.52)(20.71)(20.9)(21.09)(21.28)(21.47)(21.66)(21.85)(22.04)(22.23)(22.42)(22.61)(22.8)(23.0)(23.19)(23.38)(23.57)(23.76)(23.95)(24.14)(24.33)(24.52)(24.71)(24.9)(25.09)(25.28)(25.47)(25.66)(25.85)(26.04)(26.23)(26.42)(26.61)(26.8)(27.0)(27.19)(27.38)(27.57)(27.76)(27.95)(28.14)(28.33)(28.52)(28.71)(28.9)(29.09)(29.28)(29.47)(29.66)(29.85)(30.04)(30.23)(30.42)(30.61)(30.8)(31.0)(31.19)(31.38)(31.57)(31.76)(31.95)(32.14)(32.33)(32.52)(32.71)(32.9)(33.09)(33.28)(33.47)(33.66)(33.85)(34.04)(34.23)(34.42)(34.61)(34.8)(35.0)(35.19)(35.38)(35.57)(35.76)(35.95)(36.14)(36.33)(36.52)(36.71)(36.9)(37.09)(37.28)(37.47)(37.66)(37.85)(38.04)(38.23)(38.42)(38.61)(38.8)(39.0)(39.19)(39.38)(39.57)(39.76)(39.95)(40.14)(40.33)(40.52)(40.71)(40.9)(41.09)(41.28)(41.47)(41.66)(41.85)(42.04)(42.23)(42.42)(42.61)(42.8)(43.0)(43.19)(43.38)(43.57)(43.76)(43.95)(44.14)(44.33)(44.52)(44.71)(44.9)(45.09)(45.28)(45.47)(45.66)(45.85)(46.04)(46.23)(46.42)(46.61)(46.8)(47.0)(47.19)(47.38)(47.57)(47.76)(47.95)(48.14)(48.33)(48.52)(48.71)(48.9)(49.09)(49.28)(49.47)(49.66)(49.85)(50.04)(50.23)(50.42)(50.61)(50.8)(51.0)(51.19)(51.38)(51.57)(51.76)(51.95)(52.14)(52.33)(52.52)(52.71)(52.9)(53.09)(53.28)(53.47)(53.66)(53.85)(54.04)(54.23)(54.42)(54.61)(54.8)(55.0)(55.19)(55.38)(55.57)(55.76)(55.95)(56.14)(56.33)(56.52)(56.71)(56.9)(57.09)(57.28)(57.47)(57.66)(57.85)(58.04)(58.23)(58.42)(58.61)(58.8)(59.0)(59.19)(59.38)(59.57)(59.76)(59.95)(60.14)(60.33)(60.52)(60.71)(60.9)(61.09)(61.28)(61.47)(61.66)(61.85)(62.04)(62.23)(62.42)(62.61)(62.8)(63.0)(63.19)(63.38)(63.57)(63.76)(63.95)(64.14)(64.33)(64.52)(64.71)(64.9)(65.09)(65.28)(65.47)(65.66)(65.85)(66.04)(66.23)(66.42)(66.61)(66.8)(67.0)(67.19)(67.38)(67.57)(67.76)(67.95)(68.14)(68.33)(68.52)(68.71)(68.9)(69.09)(69.28)(69.47)(69.66)(69.85)(70.04)(70.23)(70.42)(70.61)(70.8)(71.0)(71.19)(71.38)(71.57)(71.76)(71.95)(72.14)(72.33)(72.52)(72.71)(72.9)(73.09)(73.28)(73.47)(73.66)(73.85)(74.04)(74.23)(74.42)(74.61)(74.8)(75.0)(75.19)(75.38)(75.57)(75.76)(75.95)(76.14)(76.33)(76.52)(76.71)(76.9)(77.09)(77.28)(77.47)(77.66)(77.85)(78.04)(78.23)(78.42)(78.61)(78.8)(79.0)(79.19)(79.38)(79.57)(79.76)(79.95)(80.14)(80.33)(80.52)(80.71)(80.9)(81.09)(81.28)(81.47)(81.66)(81.85)(82.04)(82.23)(82.42)(82.61)(82.8)(83.0)(83.19)(83.38)(83.57)(83.76)(83.95)(84.14)(84.33)(84.52)(84.71)(84.9)(85.09)(85.28)(85.47)(85.66)(85.85)(86.04)(86.23)(86.42)(86.61)(86.8)(87.0)(87.19)(87.38)(87.57)(87.76)(87.95)(88.14)(88.33)(88.52)(88.71)(88.9)(89.09)(89.28)(89.47)(89.66)(89.85)(90.04)(90.23)(90.42)(90.61)(90.8)(91.0)(91.19)(91.38)(91.57)(91.76)(91.95)(92.14)(92.33)(92.52)(92.71)(92.9)(93.09)(93.28)(93.47)(93.66)(93.85)(94.04)(94.23)(94.42)(94.61)(94.8)(95.0)(95.19)(95.38)(95.57)(95.76)(95.95)(96.14)(96.33)(96.52)(96.71)(96.9)(97.09)(97.28)(97.47)(97.66)(97.85)(98.04)(98.23)(98.42)(98.61)(98.8)(99.0)(99.19)(99.38)(99.57)(99.76)(99.95)(100.14)(100.33)(100.52)(100.71)(100.9)(101.09)(101.28)(101.47)(101.66)(101.85)(102.04)(102.23)(102.42)(102.61)(102.8)(103.0)(103.19)(103.38)(103.57)(103.76)(103.95)(104.14)(104.33)(104.52)(104.71)(104.9)(105.09)(105.28)(105.47)(105.66)(105.85)(106.04)(106.23)(106.42)(106.61)(106.8)(107.0)(107.19)(107.38)(107.57)(107.76)(107.95)(108.14)(108.33)(108.52)(108.71)(108.9)(109.09)(109.28)(109.47)(109.66)(109.85)(110.04)(110.23)(110.42)(110.61)(110.8)(111.0)(111.19)(111.38)(111.57)(111.76)(111.95)(112.14)(112.33)(112.52)(112.71)(112.9)(113.09)(113.28)(113.47)(113.66)(113.85)(114.04)(114.23)(114.42)(114.61)(114.8)(115.0)(115.19)(115.38)(115.57)(115.76)(115.95)(116.14)(116.33)(116.52)(116.71)(116.9)(117.09)(117.28)(117.47)(117.66)(117.85)(118.04)(118.23)(118.42)(118.61)(118.8)(119.0)(119.19)(119.38)(119.57)(119.76)(119.95)(120.14)(120.33)(120.52)(120.71)(120.9)(121.09)(121.28)(121.47)(121.66)(121.85)(122.04)(122.23)(122.42)(122.61)(122.8)(123.0)(123.19)(123.38)(123.57)(123.76)(123.95)(124.14)(124.33)(124.52)(124.71)(124.9)(125.09)(125.28)(125.47)(125.66)(125.85)(126.04)(126.23)(126.42)(126.61)(126.8)(127.0)(127.19)(127.38)(127.57)(127.76)(127.95)(128.14)(128.33)(128.52)(128.71)(128.9)(129.09)(129.28)(129.47)(129.66)(129.85)(130.04)(130.23)(130.42)(130.61)(130.8)(131.0)(131.19)(131.38)(131.57)(131.76)(131.95)(132.14)(132.33)(132.52)(132.71)(132.9)(133.09)(133.28)(133.47)(133.66)(133.85)(134.04)(134.23)(134.42)(134.61)(134.8)(135.0)(135.19)(135.38)(135.57)(135.76)(135.95)(136.14)(136.33)(136.52)(136.71)(136.9)(137.09)(137.28)(137.47)(137.66)(137.85)(138.04)(138.23)(138.42)(138.61)(138.8)(139.0)(139.19)(139.38)(139.57)(139.76)(139.95)(140.14)(140.33)(140.52)(140.71)(140.9)(141.09)(141.28)(141.47)(141.66)(141.85)(142.04)(142.23)(142.42)(142.61)(142.8)(143.0)(143.19)(143.38)(143.57)(143.76)(143.95)(144.14)(144.33)(144.52)(144.71)(144.9)(145.09)(145.28)(145.47)(145.66)(145.85)(146.04)(146.23)(146.42)(146.61)(146.8)(147.0)(147.19)(147.38)(147.57)(147.76)(147.95)(148.14)(148.33)(148.52)(148.71)(148.9)(149.09)(149.28)(149.47)(149.66)(149.85)(150.04)(150.23)(150.42)(150.61)(150.8)(151.0)(151.19)(151.38)(151.57)(151.76)(151.95)(152.14)(152.33)(152.52)(152.71)(152.9)(153.09)(153.28)(153.47)(153.66)(153.85)(154.04)(154.23)(154.42)(154.61)(154.8)(155.0)(155.19)(155.38)(155.57)(155.76)(155.95)(156.14)(156.33)(156.52)(156.71)(156.9)(157.09)(157.28)(157.47)(157.66)(157.85)(158.04)(158.23)(158.42)(158.61)(158.8)(159.0)(159.19)(159.38)(159.57)(159.76)(159.95)(160.14)(160.33)(160.52)(160.71)(160.9)(161.09)(161.28)(161.47)(161.66)(161.85)(162.04)(162.23)(162.42)(162.61)(162.8)(163.0)(163.19)(163.38)(163.57)(163.76)(163.95)(164.14)(164.33)(164.52)(164.71)(164.9)(165.09)(165.28)(165.47)(165.66)(165.85)(166.04)(166.23)(166.42)(166.61)(166.8)(167.0)(167.19)(167.38)(167.57)(167.76)(167.95)(168.14)(168.33)(168.52)(168.71)(168.9)(169.09)(169.28)(169.47)(169.66)(169.85)(170.04)(170.23)(170.42)(170.61)(170.8)(171.0)(171.19)(171.38)(171.57)(171.76)(171.95)(172.14)(172.33)(172.52)(172.71)(172.9)(173.09)(173.28)(173.47)(173.66)(173.85)(174.04)(174.23)(174.42)(174.61)(174.8)(175.0)(175.19)(175.38)(175.57)(175.76)(175.95)(176.14)(176.33)(176.52)(176.71)(176.9)(177.09)(177.28)(177.47)(177.66)(177.85)(178.04)(178.23)(178.42)(178.61)(178.8)(179.0)(179.19)(179.38)(179.57)(179.76)(179.95)(180.14)(180.33)(180.52)(180.71)(180.9)(181.09)(181.28)(181.47)(181.66)(181.85)(182.04)(182.23)(182.42)(182.61)(182.8)(183.0)(183.19)(183.38)(183.57)(183.76)(183.95)(184.14)(184.33)(184.52)(184.71)(184.9)(185.09)(185.28)(185.47)(185.66)(185.85)(186.04)(186.23)(186.42)(186.61)(186.8)(187.0)(187.19)(187.38)(187.57)(187.76)(187.95)(188.14)(188.33)(188.52)(188.71)(188.9)(189.09)(189.28)(189.47)(189.66)(189.85)(190.04)(190.23)(190.42)(190.61)(190.8)(191.0)(191.19)(191.38)(191.57)(191.76)(191.95)(192.14)(192.33)(192.52)(192.71)(192.9)(193.09)(193.28)(193.47)(193.66)(193.85)(194.04)(194.23)(194.42)(194.61)(194.8)(195.0)(195.19)(195.38)(195.57)(195.76)(195.95)(196.14)(196.33)(196.52)(196.71)(196.9)(197.09)(197.28)(197.47)(197.66)(197.85)(198.04)(198.23)(198.42)(198.61)(198.8)(199.0)(199.19)(199.38)(199.57)(199.76)(199.95)(200.14)(200.33)(200.52)(200.71)(200.9)(201.09)(201.28)(201.47)(201.66)(201.85)(202.04)(202.23)(202.42)(202.61)(202.8)(203.0)(203.19)(203.38)(203.57)(203.76)(203.95)(204.14)(204.33)(204.52)(204.71)(204.9)(205.09)(205.28)(205.47)(205.66)(205.85)(206.04)(206.23)(206.42)(206.61)(206.8)(207.0)(207.19)(207.38)(207.57)(207.76)(207.95)(208.14)(208.33)(208.52)(208.71)(208.9)(209.09)(209.28)(209.47)(209.66)(209.85)(210.04)(210.23)(210.42)(210.61)(210.8)(211.0)(211.19)(211.38)(211.57)(211.76)(211.95)(212.14)(212.33)(212.52)(212.71)(212.9)(213.09)(213.28)(213.47)(213.66)(213.85)(214.04)(214.23)(214.42)(214.61)(214.8)(215.0)(215.19)(215.38)(215.57)(215.76)(215.95)(216.14)(216.33)(216.52)(216.71)(216.9)(217.09)(217.28)(217.47)(217.66)(217.85)(218.04)(218.23)(218.42)(218.61)(218.8)(219.0)(219.19)(219.38)(219.57)(219.76)(219.95)(220.14)(220.33)(220.52)(220.71)(220.9)(221.09)(221.28)(221.47)(221.66)(221.85)(222.04)(222.23)(222.42)(222.61)(222.8)(223.0)(223.19)(223.38)(223.57)(223.76)(223.95)(224.14)(224.33)(224.52)(224.71)(224.9)(225.09)(225.28)(225.47)(225.66)(225.85)(226.04)(226.23)(226.42)(226.61)(226.8)(227.0)(227.19)(227.38)(227.57)(227.76)(227.95)(228.14)(228.33)(228.52)(228.71)(228.9)(229.09)(229.28)(229.47)(229.66)(229.85)(230.04)(230.23)(230.42)(230.61)(230.8)(231.0)(231.19)(231.38)(231.57)(231.76)(231.95)(232.14)(232.33)(232.52)(232.71)(232.9)(233.09)(233.28)(233.47)(233.66)(233.85)(234.04)(234.23)(234.42)(234.61)(234.8)(235.0)(235.19)(235.38)(235.57)(235.76)(235.95)(236.14)(236.33)(236.52)(236.71)(236.9)(237.09)(237.28)(237.47)(237.66)(237.85)(238.04)(238.23)(238.42)(238.61)(238.8)(239.0)(239.19)(239.38)(239.57)(239.76)(239.95)(240.14)(240.33)(240.52)(240.71)(240.9)(241.09)(241.28)(241.47)(241.66)(241.85)(242.04)(242.23)(242.42)(242.61)(242.8)(243.0)(243.19)(243.38)(243.57)(243.76)(243.95)(244.14)(244.33)(244.52)(244.71)(244.9)(245.09)(245.28)(245.47)(245.66)(245.85)(246.04)(246.23)(246.42)(246.61)(246.8)(247.0)(247.19)(247.38)(247.57)(247.76)(247.95)(248.14)(248.33)(248.52)(248.71)(248.9)(249.09)(249.28)(249.47)(249.66)(249.85)(250.04)(250.23)(250.42)(250.61)(250.8)(251.0)(251.19)(251.38)(251.57)(251.76)(251.95)(252.14)(252.33)(252.52)(252.71)(252.9)(253.09)(253.28)(253.47)(253.66)(253.85)(254.04)(254.23)(254.42)(254.61)(254.8)(255.0)(255.19)(255.38)(255.57)(255.76)(255.95)(256.14)(256.33)(256.52)(256.71)(256.9)(257.09)(257.28)(257.47)(257.66)(257.85)(258.04)(258.23)(258.42)(258.61)(258.8)(259.0)(259.19)(259.38)(259.57)(259.76)(259.95)(260.14)(260.33)(260.52)(260.71)(260.9)(261.09)(261.28)(261.47)(261.66)(261.85)(262.04)(262.23)(262.42)(262.61)(262.8)(263.0)(263.19)(263.38)(263.57)(263.76)(263.95)(264.14)(264.33)(264.52)(264.71)(264.9)(265.09)(265.28)(265.47)(265.66)(265.85)(266.04)(266.23)(266.42)(266.61)(266.8)(267.0)(267.19)(267.38)(267.57)(267.76)(267.95)(268.14)(268.33)(268.52)(268.71)(268.9)(269.09)(269.28)(269.47)(269.66)(269.85)(270.04)(270.23)(270.42)(270.61)(270.8)(271.0)(271.19)(271.38)(271.57)(271.76)(271.95)(272.14)(272.33)(272.52)(272.71)(272.9)(273.09)(273.28)(273.47)(273.66)(273.85)(274.04)(274.23)(274.42)(274.61)(274.8)(275.0)(275.19)(275.38)(275.57)(275.76)(275.95)(276.14)(276.33)(276.52)(276.71)(276.9)(277.09)(277.28)(277.47)(277.66)(277.85)(278.04)(278.23)(278.42)(278.61)(278.8)(279.0)(279.19)(279.38)(279.57)(279.76)(279.95)(280.14)(280.33)(280.52)(280.71)(280.9)(281.09)(281.28)(281.47)(281.66)(281.85)(282.04)(282.23)(282.42)(282.61)(282.8)(283.0)(283.19)(283.38)(283.57)(283.76)(283.95)(284.14)(284.33)(284.52)(284.71)(284.9)(285.09)(285.28)(285.47)(285.66)(285.85)(286.04)(286.23)(286.42)(286.61)(286.8)(287.0)(287.19)(287.38)(287.57)(287.76)(287.95)(288.14)(288.33)(288.52)(288.71)(288.9)(289.09)(289.28)(289.47)(289.66)(289.85)(290.04)(290.23)(290.42)(290.61)(290.8)(291.0)(291.19)(291.38)(291.57)(291.76)(291.95)(292.14)(292.33)(292.52)(292.71)(292.9)(293.09)(293.28)(293.47)(293.66)(293.85)(294.04)(294.23)(294.42)(294.61)(294.8)(295.0)(295.19)(295.38)(295.57)(295.76)(295.95)(296.14)(296.33)(296.52)(296.71)(296.9)(297.09)(297.28)(297.47)(297.66)(297.85)(298.04)(298.23)(298.42)(298.61)(298.8)(299.0)(299.19)(299.38)(299.57)(299.76)(299.95)(300.14)(300.33)(300.52)(300.71)(300.9)(301.09)(301.28)(301.47)(301.66)(301.85)(302.04)(302.23)(302.42)(302.61)(302.8)(303.0)(303.19)(303.38)(303.57)(303.76)(303.95)(304.14)(304.33)(304.52)(304.71)(304.9)(305.09)(305.28)(305.47)(305.66)(305.85)(306.04)(306.23)(306.42)(306.61)(306.8)(307.0)(307.19)(307.38)(307.57)(307.76)(307.95)(308.14)(308.33)(308.52)(308.71)(308.9)(309.09)(309.28)(309.47)(309.66)(309.85)(310.04)(310.23)(310.42)(310.61)(310.8)(311.0)(311.19)(311.38)(311.57)(311.76)(311.95)(312.14)(312.33)(312.52)(312.71)(312.9)(313.09)(313.28)(313.47)(313.66)(313.85)(314.04)(314.23)(314.42)(314.61)(314.8)(315.0)(315.19)(315.38)(315.57)(315.76)(315.95)(316.14)(316.33)(316.52)(316.71)(316.9)(317.09)(317.28)(317.47)(317.66)(317.85)(318.04)(318.23)(318.42)(318.61)(318.8)(319.0)(319.19)(319.38)(319.57)(319.76)(319.95)(320.14)(320.33)(320.52)(320.71)(320.9)(321.09)(321.28)(321.47)(321.66)(321.85)(322.04)(322.23)(322.42)(322.61)(322.8)(323.0)(323.19)(323.38)(323.57)(323.76)(323.95)(324.14)(324.33)(324.52)(324.71)(324.9)(325.09)(325.28)(325.47)(325.66)(325.85)(326.04)(326.23)(326.42)(326.61)(326.8)(327.0)(327.19)(327.38)(327.57)(327.76)(327.95)(328.14)(328.33)(328.52)(328.71)(328.9)(329.09)(329.28)(329.47)(329.66)(329.85)(330.04)(330.23)(330.42)(330.61)(330.8)(331.0)(331.19)(331.38)(331.57)(331.76)(331.95)(332.14)(332.33)(332.52)(332.71)(332.9)(333.09)(333.28)(333.47)(333.66)(333.85)(334.04)(334.23)(334.42)(334.61)(334.8)(335.0)(335.19)(335.38)(335.57)(335.76)(335.95)(336.14)(336.33)(336.52)(336.71)(336.9)(337.09)(337.28)(337.47)(337.66)(337.85)(338.04)(338.23)(338.42)(338.61)(338.8)(339.0)(339.19)(339.38)(339.57)(339.76)(339.95)(340.14)(340.33)(340.52)(340.71)(340.9)(341.09)(341.28)(341.47)(341.66)(341.85)(342.04)(342.23)(342.42)(342.61)(342.8)(343.0)(343.19)(343.38)(343.57)(343.76)(343.95)(344.14)(344.33)(344.52)(344.71)(344.9)(345.09)(345.28)(345.47)(345.66)(345.85)(346.04)(346.23)(346.42)(346.61)(346.8)(347.0)(347.19)(347.38)(347.57)(347.76)(347.95)(348.14)(348.33)(348.52)(348.71)(348.9)(349.09)(349.28)(349.47)(349.66)(349.85)(350.04)(350.23)(350.42)(350.61)(350.8)(351.0)(351.19)(351.38)(351.57)(351.76)(351.95)(352.14)(352.33)(352.52)(352.71)(352.9)(353.09)(353.28)(353.47)(353.66)(353.85)(354.04)(354.23)(354.42)(354.61)(35

PROC. DATE - MONTH 8 DAY 24 HR. 12.1
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | 40. 50. 60. 70. 80. | | | | 90. 100. 110. 120. 130. 140. 150. 160. | | | | 0. 0. 0. 0. 0. 0. 0. 0. | | | | PWL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NO EGA | 50 | 76.8 | 79.6 | 80.4 | 81.9 | 83.5 | 85.6 | 87.9 | 90.4 | 92.9 | 95.4 | 97.9 | 100.4 | 102.9 | 105.4 | 107.9 | 110.4 | 112.9 | 115.4 | 117.9 | 120.4 | 122.9 | 125.4 | 127.9 | 130.4 | 132.9 | 135.4 | 137.9 | 140.4 | 142.9 | 145.4 | 147.9 | 150.4 | 152.9 | 155.4 | 157.9 | 160.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RDG. NO. | 63 | 78.6 | 80.4 | 82.4 | 84.4 | 86.4 | 88.4 | 90.4 | 92.4 | 94.4 | 96.4 | 98.4 | 100.4 | 102.4 | 104.4 | 106.4 | 108.4 | 110.4 | 112.4 | 114.4 | 116.4 | 118.4 | 120.4 | 122.4 | 124.4 | 126.4 | 128.4 | 130.4 | 132.4 | 134.4 | 136.4 | 138.4 | 140.4 | 142.4 | 144.4 | 146.4 | 148.4 | 150.4 | 152.4 | 154.4 | 156.4 | 158.4 | 160.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RADIAL 150. FT. | 80 | 79.5 | 80.5 | 82.2 | 83.0 | 84.6 | 86.0 | 86.9 | 90.0 | 92.5 | 95.6 | 101.5 | 103.4 | 102.5 | 101.6 | 100.8 | 98.9 | 96.4 | 94.6 | 92.7 | 90.8 | 88.9 | 87.0 | 85.1 | 83.2 | 81.3 | 79.4 | 77.5 | 75.6 | 73.7 | 71.8 | 69.9 | 68.0 | 66.1 | 64.2 | 62.3 | 60.4 | 58.5 | 56.6 | 54.7 | 52.8 | 50.9 | 49.0 | 47.1 | 45.2 | 43.3 | 41.4 | 39.5 | 37.6 | 35.7 | 33.8 | 31.9 | 30.0 | 28.1 | 26.2 | 24.3 | 22.4 | 20.5 | 18.6 | 16.7 | 14.8 | 12.9 | 11.0 | 9.1 | 7.2 | 5.3 | 3.4 | 1.5 | -0.4 | -2.3 | -4.2 | -6.1 | -8.0 | -9.9 | -11.8 | -13.7 | -15.6 | -17.5 | -19.4 | -21.3 | -23.2 | -25.1 | -27.0 | -28.9 | -30.8 | -32.7 | -34.6 | -36.5 | -38.4 | -40.3 | -42.2 | -44.1 | -46.0 | -47.9 | -49.8 | -51.7 | -53.6 | -55.5 | -57.4 | -59.3 | -61.2 | -63.1 | -65.0 | -66.9 | -68.8 | -70.7 | -72.6 | -74.5 | -76.4 | -78.3 | -80.2 | -82.1 | -84.0 | -85.9 | -87.8 | -89.7 | -91.6 | -93.5 | -95.4 | -97.3 | -99.2 | -101.1 | -103.0 | -104.9 | -106.8 | -108.7 | -110.6 | -112.5 | -114.4 | -116.3 | -118.2 | -120.1 | -122.0 | -123.9 | -125.8 | -127.7 | -129.6 | -131.5 | -133.4 | -135.3 | -137.2 | -139.1 | -141.0 | -142.9 | -144.8 | -146.7 | -148.6 | -150.5 | -152.4 | -154.3 | -156.2 | -158.1 | -160.0 | -161.9 | -163.8 | -165.7 | -167.6 | -169.5 | -171.4 | -173.3 | -175.2 | -177.1 | -179.0 | -180.9 | -182.8 | -184.7 | -186.6 | -188.5 | -190.4 | -192.3 | -194.2 | -196.1 | -198.0 | -200.0 | -201.9 | -203.8 | -205.7 | -207.6 | -209.5 | -211.4 | -213.3 | -215.2 | -217.1 | -219.0 | -220.9 | -222.8 | -224.7 | -226.6 | -228.5 | -230.4 | -232.3 | -234.2 | -236.1 | -238.0 | -240.0 | -241.9 | -243.8 | -245.7 | -247.6 | -249.5 | -251.4 | -253.3 | -255.2 | -257.1 | -259.0 | -260.9 | -262.8 | -264.7 | -266.6 | -268.5 | -270.4 | -272.3 | -274.2 | -276.1 | -278.0 | -280.0 | -281.9 | -283.8 | -285.7 | -287.6 | -289.5 | -291.4 | -293.3 | -295.2 | -297.1 | -299.0 | -300.9 | -302.8 | -304.7 | -306.6 | -308.5 | -310.4 | -312.3 | -314.2 | -316.1 | -318.0 | -320.0 | -321.9 | -323.8 | -325.7 | -327.6 | -329.5 | -331.4 | -333.3 | -335.2 | -337.1 | -339.0 | -340.9 | -342.8 | -344.7 | -346.6 | -348.5 | -350.4 | -352.3 | -354.2 | -356.1 | -358.0 | -360.0 | -361.9 | -363.8 | -365.7 | -367.6 | -369.5 | -371.4 | -373.3 | -375.2 | -377.1 | -379.0 | -380.9 | -382.8 | -384.7 | -386.6 | -388.5 | -390.4 | -392.3 | -394.2 | -396.1 | -398.0 | -400.0 | -401.9 | -403.8 | -405.7 | -407.6 | -409.5 | -411.4 | -413.3 | -415.2 | -417.1 | -419.0 | -420.9 | -422.8 | -424.7 | -426.6 | -428.5 | -430.4 | -432.3 | -434.2 | -436.1 | -438.0 | -440.0 | -441.9 | -443.8 | -445.7 | -447.6 | -449.5 | -451.4 | -453.3 | -455.2 | -457.1 | -459.0 | -460.9 | -462.8 | -464.7 | -466.6 | -468.5 | -470.4 | -472.3 | -474.2 | -476.1 | -478.0 | -480.0 | -481.9 | -483.8 | -485.7 | -487.6 | -489.5 | -491.4 | -493.3 | -495.2 | -497.1 | -499.0 | -500.9 | -502.8 | -504.7 | -506.6 | -508.5 | -510.4 | -512.3 | -514.2 | -516.1 | -518.0 | -520.0 | -521.9 | -523.8 | -525.7 | -527.6 | -529.5 | -531.4 | -533.3 | -535.2 | -537.1 | -539.0 | -540.9 | -542.8 | -544.7 | -546.6 | -548.5 | -550.4 | -552.3 | -554.2 | -556.1 | -558.0 | -560.0 | -561.9 | -563.8 | -565.7 | -567.6 | -569.5 | -571.4 | -573.3 | -575.2 | -577.1 | -579.0 | -580.9 | -582.8 | -584.7 | -586.6 | -588.5 | -590.4 | -592.3 | -594.2 | -596.1 | -598.0 | -600.0 | -601.9 | -603.8 | -605.7 | -607.6 | -609.5 | -611.4 | -613.3 | -615.2 | -617.1 | -619.0 | -620.9 | -622.8 | -624.7 | -626.6 | -628.5 | -630.4 | -632.3 | -634.2 | -636.1 | -638.0 | -640.0 | -641.9 | -643.8 | -645.7 | -647.6 | -649.5 | -651.4 | -653.3 | -655.2 | -657.1 | -659.0 | -660.9 | -662.8 | -664.7 | -666.6 | -668.5 | -670.4 | -672.3 | -674.2 | -676.1 | -678.0 | -680.0 | -681.9 | -683.8 | -685.7 | -687.6 | -689.5 | -691.4 | -693.3 | -695.2 | -697.1 | -699.0 | -700.9 | -702.8 | -704.7 | -706.6 | -708.5 | -710.4 | -712.3 | -714.2 | -716.1 | -718.0 | -720.0 | -721.9 | -723.8 | -725.7 | -727.6 | -729.5 | -731.4 | -733.3 | -735.2 | -737.1 | -739.0 | -740.9 | -742.8 | -744.7 | -746.6 | -748.5 | -750.4 | -752.3 | -754.2 | -756.1 | -758.0 | -760.0 | -761.9 | -763.8 | -765.7 | -767.6 | -769.5 | -771.4 | -773.3 | -775.2 | -777.1 | -779.0 | -780.9 | -782.8 | -784.7 | -786.6 | -788.5 | -790.4 | -792.3 | -794.2 | -796.1 | -798.0 | -800.0 | -801.9 | -803.8 | -805.7 | -807.6 | -809.5 | -811.4 | -813.3 | -815.2 | -817.1 | -819.0 | -820.9 | -822.8 | -824.7 | -826.6 | -828.5 | -830.4 | -832.3 | -834.2 | -836.1 | -838.0 | -840.0 | -841.9 | -843.8 | -845.7 | -847.6 | -849.5 | -851.4 | -853.3 | -855.2 | -857.1 | -859.0 | -860.9 | -862.8 | -864.7 | -866.6 | -868.5 | -870.4 | -872.3 | -874.2 | -876.1 | -878.0 | -880.0 | -881.9 | -883.8 | -885.7 | -887.6 | -889.5 | -891.4 | -893.3 | -895.2 | -897.1 | -899.0 | -900.9 | -902.8 | -904.7 | -906.6 | -908.5 | -910.4 | -912.3 | -914.2 | -916.1 | -918.0 | -920.0 | -921.9 | -923.8 | -925.7 | -927.6 | -929.5 | -931.4 | -933.3 | -935.2 | -937.1 | -939.0 | -940.9 | -942.8 | -944.7 | -946.6 | -948.5 | -950.4 | -952.3 | -954.2 | -956.1 | -958.0 | -960.0 | -961.9 | -963.8 | -965.7 | -967.6 | -969.5 | -971.4 | -973.3 | -975.2 | -977.1 | -979.0 | -980.9 | -982.8 | -984.7 | -986.6 | -988.5 | -990.4 | -992.3 | -994.2 | -996.1 | -998.0 | -1000.0 | -1001.9 | -1003.8 | -1005.7 | -1007.6 | -1009.5 | -1011.4 | -1013.3 | -1015.2 | -1017.1 | -1019.0 | -1020.9 | -1022.8 | -1024.7 | -1026.6 | -1028.5 | -1030.4 | -1032.3 | -1034.2 | -1036.1 | -1038.0 | -1040.0 | -1041.9 | -1043.8 | -1045.7 | -1047.6 | -1049.5 | -1051.4 | -1053.3 | -1055.2 | -1057.1 | -1059.0 | -1060.9 | -1062.8 | -1064.7 | -1066.6 | -1068.5 | -1070.4 | -1072.3 | -1074.2 | -1076.1 | -1078.0 | -1080.0 | -1081.9 | -1083.8 | -1085.7 | -1087.6 | -1089.5 | -1091.4 | -1093.3 | -1095.2 | -1097.1 | -1099.0 | -1100.9 | -1102.8 | -1104.7 | -1106.6 | -1108.5 | -1110.4 | -1112.3 | -1114.2 | -1116.1 | -1118.0 | -1120.0 | -1121.9 | -1123.8 | -1125.7 | -1127.6 | -1129.5 | -1131.4 | -1133.3 | -1135.2 | -1137.1 | -1139.0 | -1140.9 | -1142.8 | -1144.7 | -1146.6 | -1148.5 | -1150.4 | -1152.3 | -1154.2 | -1156.1 | -1158.0 | -1160.0 | -1161.9 | -1163.8 | -1165.7 | -1167.6 | -1169.5 | -1171.4 | -1173.3 | -1175.2 | -1177.1 | -1179.0 | -1180.9 | -1182.8 | -1184.7 | -1186.6 | -1188.5 | -1190.4 | -1192.3 | -1194.2 | -1196.1 | -1198.0 | -1200.0 | -1201.9 | -1203.8 | -1205.7 | -1207.6 | -1209.5 | -1211.4 | -1213.3 | -1215.2 | -1217.1 | -1219.0 | -1220.9 | -1222.8 | -1224.7 | -1226.6 | -1228.5 | -1230.4 | -1232.3 | -1234.2 | -1236.1 | -1238.0 | -1240.0 | -1241.9 | -1243.8 | -1245.7 | -1247.6 | -1249.5 | -1251.4 | -1253.3 | -1255.2 | -1257.1 | -1259.0 | -1260.9 | -1262.8 | -1264.7 | -1266.6 | -1268.5 | -1270.4 | -1272.3 | -1274.2 | -1276.1 | -1278.0 | -1280.0 | -1281.9 | -1283.8 | -1285.7 | -1287.6 | -1289.5 | -1291.4 | -1293.3 | -1295.2 | -1297.1 | -1299.0 | -1300.9 | -1302.8 | -1304.7 | -1306.6 | -1308.5 | -1310.4 | -1312.3 | -1314.2 | -1316.1 | -1318.0 | -1320.0 | -1321.9 | -1323.8 | -1325.7 | -1327.6 | -1329.5 | -1331.4 | -1333.3 | -1335.2 | -1337.1 | -1339.0 | -1340.9 | -1342.8 | -1344.7 | -1346.6 | -1348.5 | -1350.4 | -1352.3 | -1354.2 | -1356.1 | -1358.0 | -1360.0 | -1361.9 | -1363.8 | -1365.7 | -1367.6 | -1369.5 | -1371.4 | -1373.3 | -1375.2 | -1377.1 | -1379.0 | -1380.9 | -1382.8 | -1384.7 | -1386.6 | -1388.5 | -1390.4 | -1392.3 | -1394.2 | -1396.1 | -1398.0 | -1400.0 | -1401.9 | -1403.8 | -1405.7 | -1407.6 | -1409.5 | -1411.4 | -1413.3 | -1415.2 | -1417.1 | -1419.0 | -1420.9 | -1422.8 | -1424.7 | -1426.6 | -1428.5 | -1430.4 | -1432.3 | -1434.2 | -1436.1 | -1438.0 | -1440.0 | -1441.9 | -1443.8 | -1445.7 | -1447.6 | -1449.5 | -1451.4 | -1453.3 | -1455.2 | -1457.1 | -1459.0 | -1460.9 | -1462.8 | -1464.7 | -1466.6 | -1468.5 | -1470.4 | -1472.3 | -1474.2 | -1476.1 | -1478.0 | -1480.0 | -1481.9 | -1483.8 | -1485.7 | -1487.6 | -1489.5 | -1491.4 | -1493.3 | -1495.2 | -1497.1 | -1499.0 | -1500.9 | -1502.8 | -1504.7 | -1506.6 | -1508.5 | -1510.4 | -1512.3 | -1514.2 | -1516.1 | -1518.0 | -1520.0 | -1521.9 | -1523.8 | -1525.7 | -1527.6 | -1529.5 | -1531.4 | -1533.3 | -1535.2 | -1537.1 | -1539.0 | -1540.9 | -1542.8 | -1544.7 | -1546.6 | -1548.5 | -1550.4 | -1552.3 | -1554.2 | -1556.1 | -1558.0 | -1560.0 | -1561.9 | -1563.8 | -1565.7 | -1567.6 | -1569.5 | -1571.4 | -1573.3 | -1575.2 | -1577.1 | -1579.0 | -1580.9 | -1582.8 | -1584.7 | -1586.6 | -1588.5 | -1590.4 | -1592.3 | -1594.2 | -1596.1 | -1598.0 | -1600.0 | -1601.9 | -1603.8 | -1605.7 | -1607.6 | -1609.5 | -1611.4 | -1613.3 | -1615.2 | -1617.1 | -1619.0 | -1620.9 | -1622.8 | -1624.7 | -1626.6 | -1628.5 | -1630.4 | -1632.3 | -1634.2 | -1636.1 | -1638.0 | -1640.0 | -1641.9 | -1643.8 | -1645.7 | -1647.6 | -1649.5 | -1651.4 | -1653.3 | -1655.2 | -1657.1 | -1659.0 | -1660.9 | -1662.8 | -1664.7 | -1666.6 | -1668.5 | -1670.4 | -1672.3 | -1674.2 | -1676.1 | -1678.0 | -1680.0 | -1681.9 | -1683.8 | -1685.7 | -1687.6 | -1689.5 | -1691.4 | -1693.3 | -1695.2 | -1697.1 | -1699.0 | -1700.9 | -1702.8 | -1704.7 | -1706.6 | -1708.5 | -1710.4 | -1712.3 | -1714.2 | -1716.1 | -1718.0 | -1720.0 | -1721.9 | -1723.8 | -1725.7 | -1727.6 | -1729.5 | -1731.4 | -1733.3 | -1735.2 | -1737.1 | -1739.0 | -1740.9 | -1742.8 | -1744.7 | -1746.6 | -1748.5 | -1750.4 | -1752.3 | -1754.2 | -1756.1 | -1758 |

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 3 | 326 | 731.5m(2400ft.) | SIDELINE
FULL-33m ² (513sq. ft.) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 24 HR. 10.7
MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | | NO EGA | | FREQ. (0.70)(0.47)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) (0. | | | | | | | | | | | | | | | |
|----------|--|--------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|----------|--|--------|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 327 ACQUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-71.3cm²(11.1in²)

PROC. DATE - MONTH 8 DAY 24 HR. 12.1

| | | FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|----------------------------------|--------|---|------|------|------|------|------|-------|-------|-------|-------|--|-------|-------|-------|------|------|------|------|------|------|
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15) | | | | | | | | | | FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| SIDELINE 2500. FT.
(731.52 M) | NO EGA | 50 | 54.9 | 60.3 | 60.9 | 64.1 | 65.9 | 67.4 | 68.1 | 70.4 | 73.4 | 77.3 | 80.2 | 80.1 | 76.2 | 77.6 | 78.3 | 78.9 | 80.2 | 81.0 | 82.1 |
| | 1. RPM | 63 | 57.9 | 60.7 | 63.8 | 64.4 | 66.4 | 67.6 | 68.9 | 72.6 | 75.6 | 80.8 | 83.7 | 82.1 | 77.6 | 78.3 | 78.9 | 80.2 | 81.0 | 82.1 | 83.7 |
| | 1. RPM | 80 | 58.1 | 61.2 | 63.9 | 65.4 | 66.9 | 68.9 | 70.9 | 73.1 | 76.9 | 83.3 | 85.7 | 83.8 | 78.3 | 78.9 | 80.2 | 81.0 | 82.1 | 83.7 | 85.7 |
| | 1. RPM | 100 | 59.6 | 62.8 | 64.9 | 66.9 | 68.9 | 70.2 | 72.2 | 75.2 | 78.9 | 85.1 | 86.7 | 85.0 | 78.9 | 80.2 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 |
| | 1. RPM | 125 | 62.0 | 64.7 | 65.8 | 68.3 | 70.1 | 71.6 | 73.4 | 76.8 | 81.1 | 86.7 | 88.8 | 85.9 | 80.2 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 | 90.2 |
| NFA (0. RAD/SEC) | 1. RPM | 160 | 66.7 | 68.9 | 70.3 | 71.1 | 72.1 | 72.8 | 74.6 | 78.1 | 80.8 | 86.9 | 89.7 | 85.2 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 | 90.2 | 92.1 |
| | 1. RPM | 200 | 64.3 | 67.5 | 70.5 | 71.5 | 73.0 | 74.5 | 75.5 | 78.8 | 82.0 | 85.9 | 88.1 | 86.1 | 80.2 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 | 90.2 |
| | 1. RPM | 250 | 63.4 | 66.7 | 69.7 | 71.5 | 72.1 | 74.1 | 75.8 | 79.0 | 81.9 | 85.5 | 87.0 | 84.1 | 79.0 | 80.2 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 |
| | 1. RPM | 315 | 63.9 | 66.9 | 69.7 | 71.5 | 72.1 | 74.1 | 75.8 | 79.0 | 81.9 | 85.5 | 87.0 | 84.1 | 79.0 | 80.2 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 |
| | 1. RPM | 400 | 62.3 | 65.4 | 68.5 | 70.6 | 72.2 | 73.2 | 75.9 | 79.1 | 81.7 | 85.8 | 87.6 | 84.9 | 79.9 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 | 90.2 |
| NFD (785. RAD/SEC) | 1. RPM | 500 | 62.0 | 65.5 | 68.6 | 70.0 | 71.6 | 73.1 | 75.1 | 78.8 | 81.9 | 85.1 | 87.9 | 84.9 | 79.9 | 81.0 | 82.1 | 83.7 | 85.7 | 87.9 | 90.2 |
| | 1. RPM | 630 | 62.9 | 65.0 | 67.5 | 69.6 | 71.2 | 72.3 | 74.5 | 78.6 | 80.2 | 80.4 | 80.5 | 75.8 | 70.7 | 71.6 | 72.7 | 73.8 | 74.9 | 76.0 | 77.1 |
| | 1. RPM | 800 | 59.6 | 64.7 | 67.2 | 68.4 | 70.8 | 72.3 | 73.8 | 78.2 | 79.2 | 79.1 | 80.3 | 75.7 | 70.5 | 71.6 | 72.7 | 73.8 | 74.9 | 76.0 | 77.1 |
| | 1. RPM | 1000 | 58.0 | 63.2 | 66.1 | 68.1 | 70.3 | 72.1 | 73.5 | 78.6 | 78.6 | 78.6 | 78.6 | 72.5 | 64.7 | 65.8 | 66.9 | 68.0 | 69.1 | 70.2 | 71.3 |
| | 1. RPM | 1250 | 55.8 | 62.3 | 64.3 | 67.0 | 70.2 | 71.5 | 72.9 | 75.5 | 77.1 | 76.7 | 76.5 | 70.5 | 62.1 | 63.2 | 64.3 | 65.4 | 66.5 | 67.6 | 68.7 |
| LOC C41 ANECH CH | 1. RPM | 1600 | 53.0 | 61.4 | 64.1 | 65.8 | 68.8 | 69.4 | 71.1 | 73.6 | 74.6 | 74.1 | 72.8 | 67.9 | 59.1 | 60.2 | 61.3 | 62.4 | 63.5 | 64.6 | 65.7 |
| | 1. RPM | 2000 | 48.8 | 58.8 | 62.1 | 64.5 | 66.5 | 67.4 | 68.9 | 71.0 | 71.4 | 70.9 | 68.7 | 63.4 | 53.8 | 54.9 | 56.0 | 57.1 | 58.2 | 59.3 | 60.4 |
| | 1. RPM | 2500 | 44.6 | 55.5 | 58.7 | 61.7 | 64.4 | 65.2 | 66.2 | 68.2 | 68.9 | 66.9 | 65.1 | 58.5 | 46.8 | 47.9 | 49.0 | 50.1 | 51.2 | 52.3 | 53.4 |
| | 1. RPM | 3150 | 37.7 | 49.3 | 54.0 | 56.3 | 60.8 | 60.2 | 61.7 | 62.8 | 63.8 | 61.0 | 58.1 | 48.9 | 36.4 | 37.5 | 38.6 | 39.7 | 40.8 | 41.9 | 43.0 |
| | 1. RPM | 4000 | 27.8 | 41.8 | 46.7 | 50.2 | 53.0 | 53.6 | 54.5 | 55.0 | 56.3 | 52.1 | 49.2 | 35.8 | 24.4 | 25.5 | 26.6 | 27.7 | 28.8 | 29.9 | 31.0 |
| TAPES X03270 | 1. RPM | 5000 | 22.4 | 37.6 | 43.9 | 47.5 | 50.7 | 50.4 | 50.7 | 52.3 | 52.1 | 46.6 | 43.6 | 29.5 | 18.4 | 19.5 | 20.6 | 21.7 | 22.8 | 23.9 | 25.0 |
| | 1. RPM | 6300 | 5.1 | 23.9 | 33.0 | 36.8 | 39.5 | 40.1 | 39.8 | 41.6 | 40.2 | 34.1 | 28.4 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1. RPM | 8000 | 3.3 | 14.8 | 19.7 | 21.6 | 23.8 | 23.2 | 23.7 | 20.9 | 14.0 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1. RPM | 10000 | 1.5 | 3.1 | 2.1 | 1.8 | 1.5 | 3.1 | 2.1 | 1.8 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1. RPM | 12500 | 0.8 | 1.5 | 1.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| FAN TIP SPEED | 1. RPM | FT/SEC | 73.6 | 77.1 | 79.4 | 80.9 | 82.8 | 84.3 | 85.9 | 89.2 | 91.9 | 95.1 | 97.0 | 94.2 | 88.7 | 80.0 | 71.3 | 62.6 | 54.0 | 45.3 | 36.6 |
| | 1. RPM | FT/SEC | 77.1 | 82.6 | 85.5 | 87.6 | 90.0 | 91.0 | 92.6 | 95.4 | 97.7 | 99.0 | 100.2 | 96.7 | 90.1 | 81.4 | 72.7 | 64.0 | 55.3 | 46.6 | 37.9 |
| | 1. RPM | FT/SEC | 80.0 | 86.0 | 89.0 | 91.0 | 93.0 | 94.0 | 96.0 | 99.0 | 101.0 | 103.0 | 105.0 | 101.0 | 94.0 | 85.0 | 76.0 | 67.0 | 58.0 | 49.0 | 40.0 |
| | 1. RPM | FT/SEC | 83.0 | 89.0 | 92.0 | 94.0 | 96.0 | 97.0 | 99.0 | 102.0 | 104.0 | 106.0 | 108.0 | 104.0 | 97.0 | 88.0 | 79.0 | 70.0 | 61.0 | 52.0 | 43.0 |
| | 1. RPM | FT/SEC | 86.0 | 92.0 | 95.0 | 97.0 | 99.0 | 100.0 | 102.0 | 105.0 | 107.0 | 109.0 | 111.0 | 107.0 | 100.0 | 91.0 | 82.0 | 73.0 | 64.0 | 55.0 | 46.0 |
| OVERALL CALCULATED | | PNDB | 73.6 | 77.1 | 79.4 | 80.9 | 82.8 | 84.3 | 85.9 | 89.2 | 91.9 | 95.1 | 97.0 | 94.2 | 88.7 | 80.0 | 71.3 | 62.6 | 54.0 | 45.3 | 36.6 |
| | | PNDB | 77.1 | 82.6 | 85.5 | 87.6 | 90.0 | 91.0 | 92.6 | 95.4 | 97.7 | 99.0 | 100.2 | 96.7 | 90.1 | 81.4 | 72.7 | 64.0 | 55.3 | 46.6 | 37.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 327 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in.²)

PROC. DATE - MONTH 8 DAY 24 HR. 10.7
F, 70 PERCENT REL. HUM. DAY -- JENOTS)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 3 | 328 | 12.2m(40ft.) ARC | MODEL-71.3cm ² (11.lin ²) |

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PUL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|-------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. | (0. | |
| NO EGA | 50 | 84.3 | 87.9 | 89.7 | 91.3 | 91.9 | 92.6 | 95.7 | 99.4 | 104.7 | 109.4 | 111.8 | 111.4 | | | | | 156.9 |
| ADG. NO. 0. | 63 | 89.1 | 88.2 | 89.7 | 90.9 | 91.5 | 92.7 | 94.0 | 97.4 | 101.2 | 108.0 | 112.2 | 113.4 | | | | | 159.0 |
| RADIAL 150. FT. | 80 | 87.5 | 88.5 | 90.2 | 90.8 | 92.1 | 93.7 | 95.6 | 99.3 | 103.2 | 110.8 | 114.5 | 113.2 | | | | | 161.0 |
| (45. M) | 100 | 88.8 | 90.6 | 90.8 | 92.4 | 94.0 | 95.1 | 97.2 | 100.4 | 104.8 | 111.9 | 115.9 | 114.6 | | | | | 162.3 |
| VEHICLE CELL 41 | 125 | 90.8 | 91.9 | 92.4 | 93.6 | 95.2 | 96.4 | 98.7 | 102.1 | 105.6 | 113.2 | 117.1 | 118.3 | | | | | 163.7 |
| CONFIG NCAT | 160 | 94.9 | 95.9 | 96.7 | 96.5 | 97.3 | 97.9 | 99.6 | 102.7 | 105.9 | 112.8 | 116.2 | 117.1 | | | | | 163.1 |
| LOC C41 ANECH CH | 200 | 93.2 | 94.5 | 95.8 | 96.1 | 97.7 | 99.3 | 100.4 | 104.3 | 107.3 | 112.1 | 114.6 | 117.0 | | | | | 162.4 |
| DATE 06-01-76 | 250 | 92.4 | 94.4 | 94.2 | 95.7 | 97.0 | 98.9 | 100.0 | 103.2 | 107.7 | 111.5 | 113.2 | 115.4 | | | | | 161.3 |
| RUN CONF3LOWFLWC | 315 | 93.2 | 94.2 | 95.7 | 95.7 | 97.3 | 98.7 | 101.6 | 104.5 | 108.0 | 110.8 | 112.2 | 113.9 | | | | | 160.5 |
| TAPE X03280 | 400 | 92.0 | 93.6 | 95.3 | 96.6 | 98.2 | 99.3 | 101.0 | 104.9 | 107.8 | 109.9 | 110.6 | 112.8 | | | | | 159.6 |
| BAR 29.3 HG | 500 | 92.3 | 93.8 | 95.6 | 96.6 | 98.5 | 98.8 | 101.0 | 105.1 | 108.1 | 109.9 | 110.4 | 111.6 | | | | | 159.3 |
| (98975. N/M2) | 630 | 91.6 | 93.7 | 94.9 | 96.0 | 97.3 | 98.7 | 101.3 | 105.0 | 107.4 | 109.0 | 109.5 | 110.1 | | | | | 158.6 |
| TAMB 63. DEG F | 800 | 91.8 | 94.1 | 94.8 | 96.1 | 97.4 | 99.1 | 100.9 | 104.9 | 107.1 | 108.7 | 111.1 | 109.3 | | | | | 158.6 |
| (290. DEG K) | 1000 | 90.4 | 93.2 | 95.0 | 96.5 | 98.1 | 99.7 | 101.4 | 104.5 | 107.0 | 108.6 | 111.1 | 108.5 | | | | | 158.8 |
| TWET 61. DEG F | 1250 | 90.4 | 93.0 | 94.5 | 96.0 | 98.6 | 100.0 | 101.4 | 104.5 | 107.3 | 108.6 | 111.1 | 108.5 | | | | | 158.6 |
| (269. DEG K) | 1600 | 89.0 | 93.6 | 95.2 | 96.2 | 99.0 | 99.4 | 101.0 | 104.7 | 106.5 | 107.1 | 111.0 | 109.4 | | | | | 157.3 |
| WACT13.12 GM/M3 | 2000 | 87.5 | 92.8 | 94.7 | 95.9 | 97.9 | 98.5 | 100.3 | 103.6 | 104.4 | 105.8 | 109.5 | 107.3 | | | | | 156.7 |
| (.01312 KG/M3) | 2500 | 86.5 | 93.0 | 94.4 | 95.4 | 97.9 | 98.5 | 100.0 | 102.9 | 105.4 | 104.7 | 108.0 | 106.1 | | | | | 155.2 |
| FREQ. SHIFT | 3150 | 84.5 | 91.0 | 93.4 | 94.5 | 97.8 | 97.6 | 99.2 | 101.3 | 103.7 | 102.7 | 105.3 | 103.7 | | | | | 153.5 |
| JET 8 | 4000 | 81.9 | 90.0 | 91.1 | 93.2 | 95.6 | 95.4 | 96.4 | 98.4 | 101.9 | 100.3 | 105.1 | 100.9 | | | | | 152.0 |
| DIAMETER RATIO | 5000 | 80.9 | 88.7 | 91.1 | 93.1 | 96.1 | 94.8 | 96.3 | 98.6 | 100.9 | 98.7 | 103.2 | 101.6 | | | | | 149.9 |
| DF/DH 6.81 | 6300 | 77.6 | 86.2 | 91.0 | 91.3 | 92.9 | 93.2 | 93.9 | 97.7 | 99.3 | 97.9 | 102.0 | 99.6 | | | | | 153.6 |
| OVERALL CALCULATED | 8000 | 74.3 | 84.1 | 88.6 | 88.4 | 88.8 | 89.6 | 90.3 | 94.2 | 95.9 | 95.8 | 99.7 | 96.2 | | | | | 173.1 |
| | 10000 | 72.9 | 83.1 | 88.4 | 87.1 | 87.1 | 87.3 | 88.2 | 92.0 | 94.4 | 93.2 | 97.6 | 92.8 | | | | | |
| | 12500 | 70.0 | 87.7 | 93.8 | 90.5 | 89.9 | 90.6 | 90.4 | 91.3 | 95.8 | 94.5 | 101.6 | 93.5 | | | | | |
| | | 103.6 | 106.1 | 107.7 | 108.5 | 110.4 | 111.3 | 113.0 | 116.4 | 119.2 | 122.7 | 125.6 | 126.5 | | | | | |
| | | 112.5 | 117.4 | 119.1 | 120.1 | 122.5 | 122.9 | 124.6 | 127.5 | 130.1 | 131.1 | 134.2 | 133.2 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 328 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in.²)

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RAD/ANS) | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| FREQ. | | 50 | 56.2 | 61.3 | 61.4 | 64.9 | 66.9 | 67.6 | 68.4 | 70.9 | 73.9 | 78.1 | 81.2 | 81.4 | 77.5 | | | |
| NO EGA | | 63 | 57.9 | 61.5 | 64.1 | 65.1 | 67.1 | 68.4 | 69.6 | 72.6 | 75.6 | 81.3 | 83.9 | 83.1 | 78.4 | | | |
| SIDELINE 2400. FT. | | 80 | 59.1 | 61.7 | 64.6 | 65.9 | 67.6 | 69.4 | 71.1 | 74.4 | 77.6 | 84.1 | 86.2 | 84.8 | 79.0 | | | |
| (731.52 M) | | 100 | 60.4 | 63.8 | 65.1 | 67.4 | 69.4 | 70.7 | 72.7 | 75.4 | 79.1 | 85.1 | 87.4 | 86.0 | 80.2 | | | |
| NFA | | 125 | 62.3 | 64.9 | 66.6 | 68.6 | 70.6 | 71.9 | 74.1 | 77.1 | 79.8 | 86.2 | 88.6 | 87.4 | 81.5 | | | |
| (0. RAD/SEC) | | 160 | 66.2 | 68.9 | 70.3 | 71.3 | 72.6 | 73.3 | 74.8 | 77.6 | 80.0 | 85.7 | 87.5 | 86.0 | 81.0 | | | |
| NFK | | 200 | 64.3 | 67.3 | 69.7 | 70.8 | 72.8 | 74.5 | 75.5 | 79.0 | 81.2 | 84.9 | 85.6 | 85.6 | 79.2 | | | |
| (0. RAD/SEC) | | 250 | 63.1 | 66.9 | 67.9 | 70.2 | 72.0 | 74.0 | 75.0 | 77.7 | 81.4 | 84.0 | 84.0 | 83.6 | 77.5 | | | |
| NFD 7500. RPM | | 315 | 63.6 | 66.4 | 69.2 | 70.0 | 72.1 | 73.6 | 76.3 | 78.8 | 81.4 | 83.0 | 82.7 | 81.7 | 74.9 | | | |
| (785. RAD/SEC) | | 400 | 62.0 | 65.4 | 68.5 | 70.6 | 72.7 | 73.9 | 75.4 | 78.9 | 81.0 | 81.8 | 80.6 | 80.0 | 72.7 | | | |
| AIRFLOW RATIO | | 500 | 61.8 | 65.3 | 68.4 | 70.3 | 72.6 | 73.1 | 75.1 | 78.8 | 80.9 | 81.4 | 79.9 | 78.1 | 70.7 | | | |
| WF/W 6.81 | | 630 | 60.4 | 64.5 | 67.2 | 69.1 | 71.0 | 72.5 | 75.0 | 78.1 | 79.7 | 79.9 | 78.3 | 75.8 | 67.2 | | | |
| VEHICLE CELL41 | | 800 | 59.6 | 64.2 | 66.4 | 68.7 | 70.6 | 72.3 | 74.1 | 77.4 | 78.7 | 78.8 | 79.0 | 73.7 | 65.4 | | | |
| CONFIG NC41 | | 1000 | 57.2 | 62.5 | 65.8 | 68.4 | 70.5 | 72.3 | 73.8 | 76.4 | 77.8 | 77.9 | 78.1 | 72.5 | 64.5 | | | |
| LOC 41 ANECH CM | | 1250 | 55.8 | 61.0 | 64.3 | 67.0 | 70.2 | 71.7 | 72.9 | 75.5 | 77.1 | 76.7 | 76.5 | 69.8 | 62.9 | | | |
| DATE 06-01-76 | | 1600 | 52.5 | 60.1 | 63.6 | 65.8 | 69.3 | 69.9 | 71.3 | 74.3 | 74.9 | 73.6 | 74.5 | 68.2 | 59.3 | | | |
| RUN CONF3LOWFLWC | | 2000 | 48.8 | 57.3 | 61.4 | 64.0 | 66.8 | 67.6 | 69.2 | 71.7 | 71.1 | 70.4 | 70.7 | 63.1 | 54.3 | | | |
| TAPE X03280 | | 2500 | 44.3 | 54.8 | 58.7 | 61.2 | 64.6 | 65.3 | 66.7 | 68.7 | 69.7 | 66.4 | 65.9 | 57.5 | 46.8 | | | |
| FAN TIP SPEED | | 3150 | 37.0 | 48.3 | 53.7 | 56.8 | 61.1 | 61.2 | 62.4 | 63.6 | 64.0 | 60.0 | 57.8 | 48.2 | 35.4 | | | |
| FT/SEC | | 4000 | 26.3 | 40.5 | 45.5 | 50.0 | 53.7 | 53.9 | 54.5 | 55.2 | 56.3 | 50.8 | 49.5 | 34.8 | 16.0 | | | |
| | | 5000 | 20.6 | 35.4 | 42.1 | 46.7 | 51.2 | 50.4 | 51.4 | 52.3 | 51.9 | 45.4 | 42.9 | 29.5 | 6.9 | | | |
| | | 6300 | 3.6 | 21.4 | 32.0 | 35.8 | 39.3 | 40.1 | 40.3 | 42.1 | 40.2 | 33.1 | 27.9 | 9.6 | | | | |
| | | 8000 | 1.8 | 14.1 | 18.7 | 21.6 | 23.3 | 23.3 | 24.5 | 21.4 | 13.5 | 4.6 | | | | | | |
| | | 10000 | 1.3 | 2.6 | 2.5 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 12500 | 73.4 | 76.9 | 79.3 | 81.0 | 83.1 | 84.5 | 86.1 | 89.1 | 91.4 | 94.7 | 96.0 | 94.7 | 89.0 | | | |
| PNDB | | | 76.9 | 81.9 | 85.2 | 87.5 | 90.3 | 91.3 | 92.9 | 95.7 | 97.2 | 98.4 | 98.8 | 96.7 | 89.8 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 328 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in.²)

OVERALL

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|-------------------------------|
| 3 | 329 | 15.7m(150ft.) ARC | FULL-33m(151in.) ² |

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 89.3 | 92.9 | 91.9 | 93.9 | 96.5 | 97.1 | 98.5 | 101.2 | 105.6 | 112.9 | 115.9 | 116.6 | 117.4 | 163.3 | | | |
| RADIAL 150. FT. | 65 | 91.6 | 93.4 | 95.4 | 94.9 | 97.0 | 98.4 | 99.3 | 103.4 | 107.9 | 114.0 | 119.2 | 120.6 | 118.2 | 105.3 | | | |
| (40. M) | 80 | 92.7 | 93.2 | 95.0 | 96.0 | 97.6 | 99.5 | 100.6 | 104.0 | 109.2 | 116.8 | 121.0 | 121.9 | 118.7 | 107.2 | | | |
| VEHICLE CELL41 | 100 | 94.3 | 95.8 | 95.8 | 97.9 | 99.5 | 100.1 | 102.5 | 106.4 | 111.8 | 118.7 | 122.9 | 123.3 | 120.3 | 105.9 | | | |
| CONFIG NC41 | 125 | 97.3 | 97.4 | 98.1 | 99.4 | 101.0 | 102.4 | 103.7 | 107.6 | 113.1 | 119.9 | 124.6 | 124.6 | 121.6 | 175.4 | | | |
| LOC C41 AHECH CH | 160 | 101.9 | 102.4 | 102.9 | 102.5 | 103.3 | 103.4 | 105.1 | 109.0 | 113.7 | 119.8 | 124.7 | 124.1 | 121.9 | 175.6 | | | |
| DATE 06-01-76 | 200 | 100.2 | 102.3 | 103.3 | 103.1 | 103.9 | 103.5 | 106.4 | 110.3 | 114.6 | 119.1 | 124.1 | 125.5 | 121.3 | 175.9 | | | |
| RUN CONF3LONFLWC | 250 | 99.1 | 99.9 | 101.2 | 101.7 | 103.0 | 104.9 | 106.0 | 110.2 | 114.9 | 118.7 | 124.2 | 124.9 | 120.9 | 175.3 | | | |
| TAPE X03300 | 315 | 99.9 | 100.9 | 102.2 | 102.2 | 103.6 | 104.7 | 107.3 | 111.0 | 115.5 | 118.0 | 123.5 | 123.7 | 116.7 | 169.5 | | | |
| BAP 29.3 HG | 400 | 99.3 | 100.6 | 102.1 | 103.4 | 104.5 | 105.1 | 107.5 | 112.1 | 115.8 | 117.7 | 122.1 | 122.0 | 117.1 | 168.5 | | | |
| (93/75. N/M2) | 500 | 100.3 | 101.8 | 102.4 | 102.6 | 104.0 | 105.1 | 107.5 | 112.1 | 116.1 | 118.2 | 121.9 | 120.6 | 115.3 | 168.2 | | | |
| TAMB 53. DEG F | 630 | 100.6 | 102.4 | 102.7 | 102.2 | 103.5 | 104.9 | 107.3 | 112.2 | 114.9 | 117.8 | 120.0 | 113.6 | 113.2 | 165.9 | | | |
| (290. DEG K) | 800 | 102.3 | 104.6 | 103.8 | 102.9 | 103.9 | 105.8 | 107.4 | 112.6 | 114.3 | 116.7 | 119.1 | 117.3 | 113.1 | 165.4 | | | |
| TWET 61. DEG K | 1000 | 101.2 | 104.2 | 105.0 | 104.5 | 105.1 | 106.5 | 108.4 | 112.0 | 115.0 | 115.9 | 117.6 | 116.7 | 112.7 | 165.8 | | | |
| MACT13.12 GM/M3 | 1250 | 100.9 | 103.0 | 104.0 | 105.3 | 106.4 | 107.0 | 108.6 | 111.8 | 114.8 | 116.1 | 116.8 | 116.5 | 112.2 | 165.7 | | | |
| (.01312 KG/M3) | 1600 | 99.3 | 103.9 | 104.2 | 105.2 | 107.0 | 106.9 | 108.3 | 112.0 | 114.0 | 115.6 | 116.0 | 115.6 | 111.9 | 165.3 | | | |
| FREQ. SHIFT | 2000 | 97.5 | 103.0 | 103.4 | 104.4 | 106.2 | 106.5 | 107.8 | 110.1 | 112.7 | 113.8 | 114.5 | 113.6 | 110.5 | 165.7 | | | |
| JET | 2500 | 96.7 | 102.3 | 103.2 | 105.4 | 106.2 | 106.5 | 107.7 | 110.4 | 113.2 | 112.7 | 113.3 | 113.1 | 109.5 | 165.7 | | | |
| DIAMETER RATIO | 3150 | 94.6 | 100.3 | 102.2 | 103.3 | 106.6 | 105.4 | 106.9 | 108.3 | 111.2 | 111.2 | 111.1 | 110.5 | 107.4 | 162.2 | | | |
| DF/DM 6.81 | 4000 | 92.4 | 99.0 | 99.3 | 101.9 | 104.1 | 103.6 | 104.1 | 105.9 | 109.6 | 109.3 | 111.3 | 108.4 | 104.7 | 160.9 | | | |
| | 5000 | 91.4 | 98.7 | 100.1 | 102.3 | 104.9 | 103.8 | 104.1 | 106.4 | 109.2 | 108.0 | 110.2 | 108.8 | 105.3 | 160.8 | | | |
| | 6300 | 89.1 | 99.4 | 99.3 | 101.6 | 102.4 | 101.9 | 102.4 | 105.5 | 107.6 | 107.7 | 109.2 | 106.1 | 104.2 | 160.1 | | | |
| | 8000 | 85.6 | 92.9 | 96.3 | 98.9 | 98.5 | 99.1 | 99.8 | 102.2 | 105.1 | 107.1 | 107.7 | 104.7 | 100.8 | 158.8 | | | |
| | 10000 | 83.2 | 90.1 | 95.6 | 97.9 | 97.1 | 97.8 | 98.2 | 101.7 | 105.2 | 107.7 | 108.6 | 104.3 | 99.1 | 160.1 | | | |
| | 12500 | 86.2 | 92.0 | 97.5 | 101.2 | 100.2 | 100.8 | 100.7 | 101.8 | 108.6 | 111.5 | 112.6 | 104.0 | 102.3 | 160.1 | | | |
| OVERALL CALCULATED | | 111.9 | 114.7 | 115.4 | 116.3 | 117.6 | 118.2 | 119.7 | 123.4 | 126.9 | 130.1 | 134.0 | 134.2 | 130.6 | 160.6 | | | |
| PNOB | | 121.9 | 126.4 | 127.3 | 128.8 | 130.5 | 130.4 | 131.7 | 134.7 | 137.9 | 139.2 | 141.3 | 140.8 | 137.1 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 330 ACoustic RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in.²)

PROC. DATE - MONTH - DAY 24 HR. 12.1

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY) | | | | | | | | | | | | | | | | |
|--|---------|----------------------------------|------------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| FREQ. | NO. EGA | SIDELINE 2400. FT.
(731.52 M) | FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| 50 | 63 | 63.4 | 66.7 | 69.6 | 70.1 | 72.1 | 72.9 | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | |
| 100 | 64.4 | 66.5 | 69.4 | 71.1 | 73.1 | 74.9 | 75.7 | 77.9 | 81.4 | 86.1 | 91.8 | 94.4 | 92.5 | 85.9 | 78.0 | |
| 125 | 65.9 | 69.0 | 70.1 | 72.9 | 74.9 | 75.7 | 77.9 | 81.4 | 86.1 | 91.8 | 94.4 | 92.5 | 85.9 | 78.0 | 70.1 | |
| 150 | 67.4 | 70.4 | 72.3 | 74.3 | 76.4 | 77.9 | 79.1 | 82.6 | 87.3 | 93.0 | 96.1 | 93.0 | 85.9 | 78.0 | 70.1 | |
| 175 | 68.9 | 72.4 | 74.9 | 76.2 | 78.0 | 80.0 | 81.0 | 84.7 | 88.6 | 91.3 | 95.0 | 93.1 | 85.9 | 78.0 | 70.1 | |
| 200 | 70.4 | 73.2 | 75.2 | 77.4 | 78.9 | 79.7 | 81.9 | 85.1 | 88.9 | 89.6 | 91.4 | 87.1 | 77.0 | 70.1 | 70.1 | |
| 225 | 71.9 | 74.7 | 76.7 | 78.5 | 79.5 | 80.8 | 81.5 | 85.0 | 88.7 | 91.9 | 95.1 | 94.1 | 85.9 | 78.0 | 70.1 | |
| 250 | 73.4 | 75.4 | 77.2 | 79.0 | 80.8 | 81.5 | 85.0 | 88.7 | 91.9 | 95.1 | 94.1 | 85.9 | 78.0 | 70.1 | 70.1 | |
| 275 | 74.9 | 76.2 | 78.0 | 80.0 | 81.0 | 84.7 | 88.6 | 91.3 | 95.0 | 93.1 | 85.9 | 78.0 | 70.1 | 70.1 | 70.1 | |
| 300 | 76.4 | 78.4 | 79.7 | 81.9 | 85.1 | 88.9 | 89.6 | 91.4 | 87.1 | 77.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | |
| 325 | 77.9 | 79.7 | 81.9 | 85.1 | 88.9 | 89.6 | 91.4 | 87.1 | 77.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | |
| 350 | 79.4 | 81.4 | 83.6 | 85.8 | 88.0 | 89.6 | 91.4 | 87.1 | 77.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | |
| 375 | 80.9 | 82.9 | 85.1 | 87.3 | 89.5 | 91.7 | 93.9 | 96.1 | 98.3 | 100.5 | 102.7 | 104.9 | 107.1 | 109.3 | 111.5 | |
| 400 | 82.4 | 84.4 | 86.6 | 88.8 | 91.0 | 93.2 | 95.4 | 97.6 | 99.8 | 102.0 | 104.2 | 106.4 | 108.6 | 110.8 | 113.0 | |
| 425 | 83.9 | 85.9 | 88.1 | 90.3 | 92.5 | 94.7 | 96.9 | 99.1 | 101.3 | 103.5 | 105.7 | 107.9 | 110.1 | 112.3 | 114.5 | |
| 450 | 85.4 | 87.4 | 89.6 | 91.8 | 94.0 | 96.2 | 98.4 | 100.6 | 102.8 | 105.0 | 107.2 | 109.4 | 111.6 | 113.8 | 116.0 | |
| 475 | 86.9 | 88.9 | 91.1 | 93.3 | 95.5 | 97.7 | 99.9 | 102.1 | 104.3 | 106.5 | 108.7 | 110.9 | 113.1 | 115.3 | 117.5 | |
| 500 | 88.4 | 90.4 | 92.6 | 94.8 | 97.0 | 99.2 | 101.4 | 103.6 | 105.8 | 108.0 | 110.2 | 112.4 | 114.6 | 116.8 | 119.0 | |
| 525 | 89.9 | 91.9 | 94.1 | 96.3 | 98.5 | 100.7 | 102.9 | 105.1 | 107.3 | 109.5 | 111.7 | 113.9 | 116.1 | 118.3 | 120.5 | |
| 550 | 91.4 | 93.4 | 95.6 | 97.8 | 100.0 | 102.2 | 104.4 | 106.6 | 108.8 | 111.0 | 113.2 | 115.4 | 117.6 | 119.8 | 122.0 | |
| 575 | 92.9 | 94.9 | 97.1 | 99.3 | 101.5 | 103.7 | 105.9 | 108.1 | 110.3 | 112.5 | 114.7 | 116.9 | 119.1 | 121.3 | 123.5 | |
| 600 | 94.4 | 96.4 | 98.6 | 100.8 | 103.0 | 105.2 | 107.4 | 109.6 | 111.8 | 114.0 | 116.2 | 118.4 | 120.6 | 122.8 | 125.0 | |
| 625 | 95.9 | 97.9 | 100.1 | 102.3 | 104.5 | 106.7 | 108.9 | 111.1 | 113.3 | 115.5 | 117.7 | 119.9 | 122.1 | 124.3 | 126.5 | |
| 650 | 97.4 | 99.4 | 101.6 | 103.8 | 106.0 | 108.2 | 110.4 | 112.6 | 114.8 | 117.0 | 119.2 | 121.4 | 123.6 | 125.8 | 128.0 | |
| 675 | 98.9 | 100.9 | 103.1 | 105.3 | 107.5 | 109.7 | 111.9 | 114.1 | 116.3 | 118.5 | 120.7 | 122.9 | 125.1 | 127.3 | 129.5 | |
| 700 | 100.4 | 102.4 | 104.6 | 106.8 | 109.0 | 111.2 | 113.4 | 115.6 | 117.8 | 120.0 | 122.2 | 124.4 | 126.6 | 128.8 | 131.0 | |
| 725 | 101.9 | 103.9 | 106.1 | 108.3 | 110.5 | 112.7 | 114.9 | 117.1 | 119.3 | 121.5 | 123.7 | 125.9 | 128.1 | 130.3 | 132.5 | |
| 750 | 103.4 | 105.4 | 107.6 | 109.8 | 112.0 | 114.2 | 116.4 | 118.6 | 120.8 | 123.0 | 125.2 | 127.4 | 129.6 | 131.8 | 134.0 | |
| 775 | 104.9 | 106.9 | 109.1 | 111.3 | 113.5 | 115.7 | 117.9 | 120.1 | 122.3 | 124.5 | 126.7 | 128.9 | 131.1 | 133.3 | 135.5 | |
| 800 | 106.4 | 108.4 | 110.6 | 112.8 | 115.0 | 117.2 | 119.4 | 121.6 | 123.8 | 126.0 | 128.2 | 130.4 | 132.6 | 134.8 | 137.0 | |
| 825 | 107.9 | 109.9 | 112.1 | 114.3 | 116.5 | 118.7 | 120.9 | 123.1 | 125.3 | 127.5 | 129.7 | 131.9 | 134.1 | 136.3 | 138.5 | |
| 850 | 109.4 | 111.4 | 113.6 | 115.8 | 118.0 | 120.2 | 122.4 | 124.6 | 126.8 | 129.0 | 131.2 | 133.4 | 135.6 | 137.8 | 140.0 | |
| 875 | 110.9 | 112.9 | 115.1 | 117.3 | 119.5 | 121.7 | 123.9 | 126.1 | 128.3 | 130.5 | 132.7 | 134.9 | 137.1 | 139.3 | 141.5 | |
| 900 | 112.4 | 114.4 | 116.6 | 118.8 | 121.0 | 123.2 | 125.4 | 127.6 | 129.8 | 132.0 | 134.2 | 136.4 | 138.6 | 140.8 | 143.0 | |
| 925 | 113.9 | 115.9 | 118.1 | 120.3 | 122.5 | 124.7 | 126.9 | 129.1 | 131.3 | 133.5 | 135.7 | 137.9 | 140.1 | 142.3 | 144.5 | |
| 950 | 115.4 | 117.4 | 119.6 | 121.8 | 124.0 | 126.2 | 128.4 | 130.6 | 132.8 | 135.0 | 137.2 | 139.4 | 141.6 | 143.8 | 146.0 | |
| 975 | 116.9 | 118.9 | 121.1 | 123.3 | 125.5 | 127.7 | 129.9 | 132.1 | 134.3 | 136.5 | 138.7 | 140.9 | 143.1 | 145.3 | 147.5 | |
| 1000 | 118.4 | 120.4 | 122.6 | 124.8 | 127.0 | 129.2 | 131.4 | 133.6 | 135.8 | 138.0 | 140.2 | 142.4 | 144.6 | 146.8 | 149.0 | |
| 1025 | 119.9 | 121.9 | 124.1 | 126.3 | 128.5 | 130.7 | 132.9 | 135.1 | 137.3 | 139.5 | 141.7 | 143.9 | 146.1 | 148.3 | 150.5 | |
| 1050 | 121.4 | 123.4 | 125.6 | 127.8 | 130.0 | 132.2 | 134.4 | 136.6 | 138.8 | 141.0 | 143.2 | 145.4 | 147.6 | 149.8 | 152.0 | |
| 1075 | 122.9 | 124.9 | 127.1 | 129.3 | 131.5 | 133.7 | 135.9 | 138.1 | 140.3 | 142.5 | 144.7 | 146.9 | 149.1 | 151.3 | 153.5 | |
| 1100 | 124.4 | 126.4 | 128.6 | 130.8 | 133.0 | 135.2 | 137.4 | 139.6 | 141.8 | 144.0 | 146.2 | 148.4 | 150.6 | 152.8 | 155.0 | |
| 1125 | 125.9 | 127.9 | 130.1 | 132.3 | 134.5 | 136.7 | 138.9 | 141.1 | 143.3 | 145.5 | 147.7 | 149.9 | 152.1 | 154.3 | 156.5 | |
| 1150 | 127.4 | 129.4 | 131.6 | 133.8 | 136.0 | 138.2 | 140.4 | 142.6 | 144.8 | 147.0 | 149.2 | 151.4 | 153.6 | 155.8 | 158.0 | |
| 1175 | 128.9 | 130.9 | 133.1 | 135.3 | 137.5 | 139.7 | 141.9 | 144.1 | 146.3 | 148.5 | 150.7 | 152.9 | 155.1 | 157.3 | 159.5 | |
| 1200 | 130.4 | 132.4 | 134.6 | 136.8 | 139.0 | 141.2 | 143.4 | 145.6 | 147.8 | 150.0 | 152.2 | 154.4 | 156.6 | 158.8 | 161.0 | |
| 1225 | 131.9 | 133.9 | 136.1 | 138.3 | 140.5 | 142.7 | 144.9 | 147.1 | 149.3 | 151.5 | 153.7 | 155.9 | 158.1 | 160.3 | 162.5 | |
| 1250 | 133.4 | 135.4 | 137.6 | 139.8 | 142.0 | 144.2 | 146.4 | 148.6 | 150.8 | 153.0 | 155.2 | 157.4 | 159.6 | 161.8 | 164.0 | |
| 1275 | 134.9 | 136.9 | 139.1 | 141.3 | 143.5 | 145.7 | 147.9 | 150.1 | 152.3 | 154.5 | 156.7 | 158.9 | 161.1 | 163.3 | 165.5 | |
| 1300 | 136.4 | 138.4 | 140.6 | 142.8 | 145.0 | 147.2 | 149.4 | 151.6 | 153.8 | 156.0 | 158.2 | 160.4 | 162.6 | 164.8 | 167.0 | |
| 1325 | 137.9 | 139.9 | 142.1 | 144.3 | 146.5 | 148.7 | 150.9 | 153.1 | 155.3 | 157.5 | 159.7 | 161.9 | 164.1 | 166.3 | 168.5 | |
| 1350 | 139.4 | 141.4 | 143.6 | 145.8 | 148.0 | 150.2 | 152.4 | 154.6 | 156.8 | 159.0 | 161.2 | 163.4 | 165.6 | 167.8 | 170.0 | |
| 1375 | 140.9 | 142.9 | 145.1 | 147.3 | 149.5 | 151.7 | 153.9 | 156.1 | 158.3 | 160.5 | 162.7 | 164.9 | 167.1 | 169.3 | 171.5 | |
| 1400 | 142.4 | 144.4 | 146.6 | 148.8 | 151.0 | 153.2 | 155.4 | 157.6 | 159.8 | 162.0 | 164.2 | 166.4 | 168.6 | 170.8 | 173.0 | |
| 1425 | 143.9 | 145.9 | 148.1 | 150.3 | 152.5 | 154.7 | 156.9 | 159.1 | 161.3 | 163.5 | 165.7 | 167.9 | 170.1 | 172.3 | 174.5 | |
| 1450 | 145.4 | 147.4 | 149.6 | 151.8 | 154.0 | 156.2 | 158.4 | 160.6 | 162.8 | 165.0 | 167.2 | 169.4 | 171.6 | 173.8 | 176.0 | |
| 1475 | 146.9 | 148.9 | 151.1 | 153.3 | 155.5 | 157.7 | 159.9 | 162.1 | 164.3 | 166.5 | 168.7 | 170.9 | 173.1 | 175.3 | 177.5 | |
| 1500 | 148.4 | 150.4 | 152.6 | 154.8 | 157.0 | 159.2 | 161.4 | 163.6 | 165.8 | 168.0 | 170.2 | 172.4 | 174.6 | 176.8 | 179.0 | |
| 1525 | 149.9 | 151.9 | 154.1 | 156.3 | 158.5 | 160.7 | 162.9 | 165.1 | 167.3 | 169.5 | 171.7 | 173.9 | 176.1 | 178.3 | 180.5 | |
| 1550 | 151.4 | 153.4 | 155.6 | 157.8 | 160.0 | 162.2 | 164.4 | 166.6 | 168.8 | 171.0 | 173.2 | 175.4 | 177.6 | 179.8 | 182.0 | |
| 1575 | 152.9 | 154.9 | 157.1 | 159.3 | 161.5 | 163.7 | 165.9 | 168.1 | 170.3 | 172.5 | 174.7 | 176.9 | 179.1 | 181.3 | 183.5 | |
| 1600 | 154.4 | 156.4 | 158.6 | 160.8 | 163.0 | 165.2 | 167.4 | 169.6 | 171.8 | 174.0 | 176.2 | 178.4 | 180.6 | 182.8 | 185.0 | |
| 1625 | 155.9 | 157.9 | 160.1 | 162.3 | 164.5 | 166.7 | 168.9 | 171.1 | 173.3 | 175.5 | 177.7 | 179.9 | 182.1 | 184.3 | 186.5 | |
| 1650 | 157.4 | 159.4 | 161.6 | 163.8 | 166.0 | 168.2 | 170.4 | 172.6 | 174.8 | 177.0 | 179.2 | 181.4 | 183.6 | 185.8 | 188.0 | |
| 1675 | 158.9 | 160.9 | 163.1 | 165.3 | 167.5 | 169.7 | 171.9 | 174.1 | 176.3 | 178.5 | 180.7 | 182.9 | 185.1 | 187.3 | 189.5 | |
| 1700 | 160.4 | 162.4 | 164.6 | 166.8 | 169.0 | 171.2 | 173.4 | 175.6 | 177.8 | 180.0 | 182.2 | 184.4 | 186.6 | 188.8 | 191.0 | |
| 1725 | 161.9 | 163.9 | 166.1 | 168.3 | 170.5 | 172.7 | 174.9 | 177.1 | 179.3 | 181.5 | 183.7 | 185.9 | 188.1 | 190.3 | 192.5 | |
| 1750 | 163.4 | 165.4 | 167.6 | 169.8 | 172.0 | 174.2 | 176.4 | 178.6 | 180.8 | 183.0 | 185.2 | 187.4 | 189.6 | 191.8 | 194.0 | |
| 1775 | 164.9 | 166.9 | 169.1 | 171.3 | 173.5 | 175.7 | 177.9 | 180.1 | 182.3 | 184.5 | 186.7 | 188.9 | 191.1 | 193.3 | 195.5 | |
| 1800 | 166.4 | 168.4 | 170.6 | 172.8 | 175.0 | 177.2 | 179.4 | 181.6 | 183.8 | 186.0 | 188.2 | 190.4 | 192.6 | 194.8 | 197.0 | |
| 1825 | 167.9 | 169.9 | 172.1 | 174.3 | 176.5 | 178.7 | 180.9 | 183.1 | 185.3 | 187.5 | 189.7 | 191.9 | 194.1 | 196.3 | 198.5 | |
| 1850 | 169.4 | 171.4 | 173.6 | 175.8 | 178.0 | 180.2 | 182.4 | 184.6 | 186.8 | 189.0 | 191.2 | 193.4 | 195.6 | 197.8 | 200.0 | |
| 1875 | 170.9 | 172.9 | 175.1 | 177.3 | 179.5 | 181.7 | 183.9 | 186.1 | 188.3 | 190.5 | 192.7 | 194.9 | 197.1 | 199.3 | 201.5 | |
| 1900 | 172.4 | 174.4 | 176.6 | 178.8 | 181.0 | 183.2 | 185.4 | 187.6 | 189.8 | 192.0 | 194.2 | 196.4 | 198.6 | 200.8 | 203.0 | |
| 1925 | 173.9 | 175.9 | 178.1 | 180.3 | 182.5 | 184.7 | 186.9 | 189.1 | 191.3 | 193.5 | 195.7 | 197.9 | 200.1 | 202.3 | 204.5 | |
| 1950 | 175.4 | 177.4 | 179.6 | 181.8 | 184.0 | 186.2 | 188.4 | 190.6 | 192.8 | 195.0 | 197.2 | 199.4 | 201.6 | 203.8 | 206.0 | |
| 1975 | 176.9 | 178.9 | 181.1 | 183.3 | 185.5 | | | | | | | | | | | |

ANEC HOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|----------------------------------|
| 3 | 330 | 731.5m(2400ft.) SIDELINE | FULL - 33m (513m. ²) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 3 | 340 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 26 MR. 16.7

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | 40. | 50. | 50. | 70. | 90. | 100. | 110. | 120. | 130. |
| FREQ. | (0.70) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) |
| NO EGA | 49.0 | 53.6 | 56.1 | 58.2 | 59.4 | 60.4 | 62.9 | 63.9 | 65.1 |
| SIDELINE 2400. FT. | 50.2 | 55.0 | 55.9 | 59.0 | 61.7 | 62.7 | 63.7 | 65.2 | 67.4 |
| (731.52 M) | 51.0 | 57.4 | 58.7 | 61.7 | 63.0 | 64.2 | 66.2 | 68.7 | 70.4 |
| MFA | 52.7 | 55.8 | 58.4 | 60.2 | 62.0 | 64.0 | 65.2 | 67.4 | 70.2 |
| 1. RPM | 53.9 | 57.3 | 59.4 | 61.5 | 63.5 | 64.7 | 66.7 | 68.2 | 71.4 |
| (0. RAD/SEC) | 54.7 | 58.4 | 60.3 | 62.4 | 64.6 | 66.6 | 67.6 | 70.1 | 73.1 |
| 1. RPM | 57.3 | 61.3 | 62.7 | 63.8 | 65.3 | 66.6 | 67.8 | 70.3 | 73.3 |
| (D. RAD/SEC) | 56.4 | 59.4 | 62.6 | 64.0 | 65.3 | 67.3 | 68.3 | 71.2 | 73.8 |
| NFO 7500. RPM | 56.2 | 60.3 | 61.2 | 63.6 | 65.2 | 67.9 | 68.7 | 70.6 | 72.8 |
| (785. RAD/SEC) | 55.8 | 59.5 | 62.2 | 63.6 | 65.4 | 67.4 | 69.2 | 71.4 | 72.5 |
| AIRFLOW RATIO | 55.9 | 60.4 | 63.5 | 64.4 | 66.0 | 67.2 | 68.5 | 70.4 | 73.2 |
| REF/M 5.50 | 56.0 | 61.0 | 63.5 | 64.4 | 65.8 | 67.4 | 68.3 | 71.2 | 72.5 |
| VEHICLE CELLS | 60.1 | 67.4 | 66.9 | 69.4 | 68.3 | 74.1 | 71.7 | 73.9 | 75.2 |
| CONFIG NC42 | 51.9 | 56.9 | 59.8 | 62.6 | 64.0 | 65.8 | 67.2 | 69.1 | 70.0 |
| LOC C41 ANECH CH | 49.7 | 54.9 | 58.2 | 60.3 | 63.3 | 65.1 | 66.3 | 68.1 | 69.2 |
| DATE 06-02-76 | 47.2 | 53.0 | 58.2 | 59.5 | 62.5 | 64.1 | 65.0 | 66.5 | 66.7 |
| RUN CONF3HIGHFLW | 43.7 | 50.7 | 53.0 | 56.6 | 60.4 | 61.5 | 62.4 | 64.9 | 61.4 |
| TAPE X03400 | 37.6 | 46.8 | 49.6 | 53.4 | 56.4 | 58.0 | 59.8 | 61.2 | 62.7 |
| FAN TIP SPEED | 31.1 | 41.4 | 44.4 | 49.7 | 52.3 | 54.2 | 55.3 | 56.2 | 57.1 |
| FT/SEC | 20.4 | 32.1 | 36.8 | 41.3 | 46.4 | 46.9 | 49.0 | 47.8 | 48.0 |
| | 27.4 | 31.4 | 36.4 | 40.6 | 42.0 | 43.2 | 42.6 | 42.8 | 36.6 |
| | 13.2 | 16.3 | 22.4 | 27.4 | 32.1 | 32.9 | 33.3 | 33.1 | 30.4 |
| | | | 7.0 | 13.8 | 17.3 | 18.9 | 18.3 | 16.9 | 12.4 |
| | | | | | | 0.4 | 0.2 | | |
| OVERALL CALCULATED | 67.0 | 72.0 | 73.6 | 75.4 | 76.7 | 79.3 | 79.6 | 81.7 | 83.5 |
| PH08 | 71.9 | 78.4 | 75.7 | 82.2 | 83.3 | 86.6 | 86.2 | 88.1 | 89.2 |
| | | | | | | | | 86.1 | 85.3 |
| | | | | | | | | 49.2 | 86.1 |
| | | | | | | | | | 81.0 |
| | | | | | | | | | 80.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 340 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

| FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (5% DEG. F. 70 PERCENT REL. HUM. DATA) | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|--|------|------|--|--|--|--|--|--|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | |
| FREQ. | | | | | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | | | | | | | | | | | | | | | | | | | |
| (731.52 M) | | | | | | | | | | | | | | | | | | | |
| NFA | | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| NFK | | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| NFD | | | | | | | | | | | | | | | | | | | |
| (7500. RPM) | | | | | | | | | | | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | | | | | | | |
| WFLM 5.5C | | | | | | | | | | | | | | | | | | | |
| VEHICLE | | | | | | | | | | | | | | | | | | | |
| CELL41 | | | | | | | | | | | | | | | | | | | |
| CONFIG NC42 | | | | | | | | | | | | | | | | | | | |
| LOC C41 AUECH CH | | | | | | | | | | | | | | | | | | | |
| DATE 06-02-76 | | | | | | | | | | | | | | | | | | | |
| RUN CONF3HIGHFLW | | | | | | | | | | | | | | | | | | | |
| TAPE | | | | | | | | | | | | | | | | | | | |
| X03410 | | | | | | | | | | | | | | | | | | | |
| FAK TIP SPEED | | | | | | | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | | | |
| 6300 | | | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | | | |
| FMD8 | | | | | | | | | | | | | | | | | | | |
| 70.2 | 73.7 | 76.1 | 77.5 | 79.5 | 81.0 | 82.5 | 84.5 | 86.7 | 88.7 | 90.8 | 90.9 | 86.3 | | | | | | | |
| 74.7 | 79.2 | 81.9 | 83.9 | 86.5 | 88.1 | 89.6 | 91.1 | 92.5 | 93.1 | 93.5 | 92.6 | 87.3 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 3 | 341 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SIZE
FULL-33m²(513in²)

ACOUSTIC RANGE
45.7m(150ft.) ARC

TEST POINT
342

CONFIGURATION **3**

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--------------|--|------|------|------|------|------|------|------|------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | | FREQ. (C.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.1) | | | | | | | | | | | | |
| NO EGA | | 50 | 54.2 | 58.8 | 61.1 | 62.4 | 63.4 | 65.7 | 68.2 | 69.9 | 70.1 | 72.9 | 78.8 | 76.3 |
| SIDELINE 2400. FT. | | 63 | 55.7 | 61.6 | 60.9 | 64.0 | 67.2 | 67.5 | 68.5 | 69.7 | 71.9 | 75.7 | 80.5 | 82.0 |
| (731.52 M) | | 80 | 57.9 | 61.3 | 63.7 | 64.4 | 66.2 | 67.5 | 68.2 | 70.7 | 73.7 | 78.1 | 83.5 | 83.1 |
| NFA | | 100 | 57.9 | 60.3 | 63.2 | 64.9 | 67.0 | 68.7 | 70.2 | 71.9 | 74.9 | 80.1 | 85.2 | 84.6 |
| (0. RPM) | | 125 | 59.6 | 62.5 | 64.2 | 66.7 | 68.2 | 69.7 | 71.7 | 73.5 | 76.2 | 81.9 | 86.4 | 86.2 |
| (0. RAD/SEC) | | 160 | 61.5 | 63.9 | 65.6 | 67.9 | 69.4 | 70.9 | 72.9 | 75.1 | 77.6 | 82.5 | 87.8 | 86.5 |
| NFK | | 200 | 65.8 | 68.6 | 69.5 | 70.6 | 71.6 | 72.6 | 73.8 | 75.8 | 78.0 | 82.6 | 87.4 | 85.6 |
| (0. RAD/SEC) | | 250 | 63.9 | 67.7 | 69.9 | 70.5 | 72.0 | 73.8 | 75.3 | 77.2 | 79.4 | 82.5 | 86.0 | 85.9 |
| NFD | | 315 | 63.2 | 66.3 | 67.8 | 69.9 | 71.2 | 73.9 | 76.9 | 79.0 | 81.6 | 84.8 | 84.5 | 78.5 |
| (785. RAD/SEC) | | 400 | 65.0 | 67.5 | 69.2 | 69.9 | 71.4 | 72.9 | 75.2 | 76.9 | 79.2 | 80.8 | 81.8 | 75.2 |
| AIRFLOW RATIO | | 500 | 69.6 | 70.1 | 70.2 | 70.6 | 72.0 | 72.5 | 74.5 | 76.4 | 79.0 | 79.7 | 80.2 | 79.9 |
| WF/HM 5.50 | | 630 | 71.7 | 72.8 | 73.0 | 72.9 | 72.0 | 72.8 | 74.3 | 76.4 | 78.7 | 78.9 | 78.8 | 77.8 |
| VEHICLE | CELL41 | 800 | 69.1 | 71.4 | 72.9 | 74.4 | 73.3 | 73.1 | 73.5 | 75.9 | 77.2 | 77.0 | 76.2 | 75.0 |
| CONFIG | NC42 | 1000 | 66.9 | 69.9 | 71.5 | 73.6 | 74.5 | 74.5 | 74.0 | 75.6 | 76.5 | 74.5 | 74.3 | 72.7 |
| LOC | C41 ANECHO | 1250 | 64.2 | 67.7 | 69.9 | 71.6 | 73.3 | 74.8 | 74.8 | 74.1 | 75.2 | 72.6 | 72.1 | 70.9 |
| DATE | 06-02-76 | 1600 | 60.7 | 64.5 | 66.5 | 69.7 | 72.0 | 73.1 | 74.2 | 73.7 | 73.5 | 71.4 | 69.7 | 67.8 |
| RUN | CONF3HIGHFLW | 2000 | 56.3 | 62.7 | 64.5 | 66.8 | 69.9 | 70.3 | 71.7 | 72.6 | 72.2 | 68.2 | 66.0 | 64.5 |
| TAPE | X0342C | 2500 | 50.1 | 57.6 | 59.9 | 63.2 | 66.1 | 66.8 | 68.5 | 68.5 | 68.4 | 64.1 | 61.3 | 59.3 |
| FAN TIP SPEED | | 3150 | 43.1 | 51.7 | 54.9 | 59.2 | 61.8 | 62.5 | 64.1 | 64.2 | 64.4 | 59.1 | 54.9 | 51.7 |
| FT/SEC | | 4000 | 32.7 | 42.1 | 47.3 | 51.4 | 56.0 | 55.7 | 57.6 | 56.1 | 55.6 | 49.0 | 43.4 | 36.4 |
| | | 5000 | 25.3 | 36.8 | 41.2 | 46.2 | 50.4 | 50.6 | 51.2 | 50.2 | 50.9 | 43.0 | 37.4 | 27.8 |
| | | 6300 | 10.6 | 24.9 | 31.5 | 37.0 | 41.2 | 41.0 | 41.4 | 41.0 | 38.5 | 29.1 | 21.8 | 9.6 |
| | | 8000 | | 5.0 | 15.7 | 22.0 | 25.5 | 26.3 | 25.7 | 24.6 | 20.2 | 10.7 | | |
| | | 10000 | | | | 3.5 | 5.7 | 5.7 | 4.3 | 2.3 | | | | |
| | | 12500 | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 77.6 | 79.8 | 81.1 | 82.4 | 83.5 | 84.5 | 85.7 | 87.2 | 89.2 | 91.7 | 95.4 | 94.8 |
| PMDB | | | 83.5 | 86.3 | 87.6 | 89.8 | 91.7 | 92.7 | 93.9 | 94.8 | 95.6 | 96.1 | 98.5 | 97.6 |

OVERALL CALCULATED 77.6 79.8 81.1 82.4 83.5 84.5 85.7 87.2 89.2 91.7 95.4 94.8 89.5

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 342 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL - 33m²(513in²)

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 5 DAY 26 HR. 12.5-
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JEROTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| RDG. NO. | NO. EGA | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.35)(3.55)(3.75)(4.0) | | | | | | | | | | PWL | | | | | | | | | |
|--------------------|---------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| 100 | 73.6 | 82.9 | 81.2 | 82.0 | 83.5 | 84.2 | 84.5 | 85.0 | 86.4 | 87.2 | 87.2 | 92.2 | 91.4 | 94.2 | 129.0 | | | | | | |
| 125 | 73.6 | 77.6 | 79.4 | 81.2 | 83.5 | 84.6 | 84.7 | 85.9 | 85.1 | 84.4 | 84.4 | 92.4 | 94.1 | 94.9 | 129.3 | | | | | | |
| 150 | 74.1 | 76.7 | 79.2 | 81.2 | 83.5 | 80.9 | 81.8 | 83.2 | 85.4 | 90.2 | 90.2 | 93.7 | 95.4 | 97.4 | 130.5 | | | | | | |
| 200 | 76.5 | 77.0 | 78.5 | 80.4 | 82.0 | 82.3 | 83.7 | 85.8 | 88.8 | 92.4 | 92.4 | 96.6 | 100.5 | 101.5 | 136.2 | | | | | | |
| 250 | 76.5 | 78.8 | 80.3 | 82.4 | 85.6 | 84.1 | 86.2 | 87.6 | 89.6 | 94.4 | 100.1 | 102.5 | 103.3 | 136.5 | | | | | | | |
| 315 | 77.4 | 81.9 | 80.4 | 83.8 | 85.1 | 86.2 | 87.1 | 89.0 | 91.9 | 96.8 | 102.0 | 105.6 | 105.9 | 139.0 | | | | | | | |
| 400 | 80.2 | 81.7 | 83.7 | 83.8 | 85.4 | 87.5 | 88.9 | 91.3 | 95.0 | 101.1 | 105.8 | 108.3 | 107.0 | 140.6 | | | | | | | |
| 500 | 80.8 | 81.5 | 82.8 | 83.8 | 85.4 | 87.5 | 88.9 | 91.3 | 95.0 | 101.1 | 105.8 | 108.3 | 107.0 | 141.7 | | | | | | | |
| 630 | 81.6 | 83.4 | 83.9 | 85.7 | 86.8 | 88.6 | 90.5 | 92.9 | 96.9 | 101.7 | 106.4 | 109.1 | 107.4 | 142.4 | | | | | | | |
| 800 | 83.4 | 84.7 | 85.7 | 86.7 | 88.3 | 89.7 | 91.5 | 94.4 | 98.2 | 102.5 | 106.4 | 107.9 | 107.2 | 142.2 | | | | | | | |
| 1000 | 85.7 | 87.0 | 87.7 | 88.5 | 89.6 | 91.0 | 92.6 | 95.0 | 98.7 | 103.1 | 105.3 | 105.2 | 106.0 | 141.3 | | | | | | | |
| 1250 | 84.8 | 86.6 | 88.1 | 88.6 | 89.5 | 91.6 | 93.0 | 96.1 | 99.1 | 102.4 | 103.4 | 104.8 | 104.6 | 140.1 | | | | | | | |
| 1600 | 85.4 | 87.4 | 87.7 | 88.5 | 90.1 | 92.0 | 93.9 | 96.8 | 99.5 | 101.8 | 103.3 | 101.4 | 101.5 | 139.2 | | | | | | | |
| 2000 | 85.5 | 87.3 | 88.8 | 88.9 | 90.7 | 92.1 | 93.5 | 96.6 | 100.3 | 100.9 | 99.9 | 100.5 | 99.8 | 138.8 | | | | | | | |
| 2500 | 86.5 | 88.8 | 89.8 | 89.3 | 91.2 | 92.3 | 94.2 | 97.3 | 100.1 | 100.4 | 100.1 | 100.0 | 99.5 | 138.1 | | | | | | | |
| 3150 | 85.0 | 86.8 | 88.1 | 89.1 | 90.0 | 91.8 | 93.7 | 96.1 | 99.6 | 100.2 | 98.6 | 99.3 | 98.3 | 138.1 | | | | | | | |
| 4000 | 84.4 | 86.9 | 88.0 | 89.8 | 90.8 | 92.7 | 93.8 | 97.0 | 99.5 | 99.3 | 98.3 | 99.2 | 98.7 | 138.1 | | | | | | | |
| 5000 | 84.2 | 86.3 | 87.8 | 89.6 | 90.9 | 93.0 | 94.1 | 96.3 | 99.1 | 98.9 | 98.3 | 99.7 | 100.3 | 138.5 | | | | | | | |
| 6300 | 83.0 | 85.5 | 86.1 | 88.6 | 90.9 | 92.5 | 94.4 | 96.4 | 98.6 | 98.2 | 98.2 | 98.4 | 100.5 | 101.0 | | | | | | | |
| 8000 | 81.4 | 83.7 | 84.3 | 87.5 | 90.1 | 91.2 | 93.4 | 96.3 | 98.8 | 97.7 | 97.9 | 99.5 | 100.0 | 137.5 | | | | | | | |
| 10000 | 79.0 | 82.8 | 83.4 | 85.6 | 87.7 | 88.6 | 89.7 | 92.3 | 94.1 | 96.3 | 96.0 | 96.7 | 99.5 | 100.0 | | | | | | | |
| 12500 | 77.3 | 82.8 | 83.4 | 85.6 | 87.7 | 88.6 | 89.7 | 92.3 | 94.1 | 96.3 | 96.0 | 96.7 | 99.5 | 100.0 | | | | | | | |
| 16000 | 74.2 | 79.7 | 81.1 | 83.0 | 86.2 | 86.1 | 88.3 | 90.2 | 92.6 | 95.7 | 94.7 | 95.3 | 98.1 | 98.3 | | | | | | | |
| 20000 | 70.7 | 77.7 | 77.8 | 79.6 | 82.6 | 83.1 | 85.0 | 87.1 | 89.3 | 86.9 | 90.0 | 89.0 | 91.6 | 91.6 | | | | | | | |
| 25000 | 68.1 | 75.7 | 76.8 | 78.5 | 81.1 | 81.0 | 82.0 | 83.5 | 85.5 | 83.5 | 86.0 | 87.4 | 88.4 | 88.4 | | | | | | | |
| 31500 | 63.2 | 70.9 | 73.5 | 74.8 | 76.9 | 76.9 | 77.9 | 79.4 | 80.9 | 79.7 | 81.6 | 81.5 | 83.3 | 83.3 | | | | | | | |
| 40000 | 57.1 | 65.4 | 68.1 | 69.7 | 70.5 | 71.9 | 72.6 | 72.6 | 73.5 | 72.2 | 75.1 | 74.2 | 76.0 | 76.0 | | | | | | | |
| 50000 | 50.9 | 59.0 | 63.0 | 63.0 | 65.6 | 66.5 | 67.1 | 67.0 | 65.5 | 65.7 | 68.8 | 66.8 | 68.7 | 68.7 | | | | | | | |
| 63000 | 46.4 | 51.1 | 56.3 | 54.3 | 60.8 | 61.7 | 60.8 | 58.3 | 58.3 | 59.9 | 64.8 | 59.3 | 63.6 | 63.6 | | | | | | | |
| 80000 | 46.4 | 51.1 | 56.3 | 54.3 | 60.8 | 61.7 | 60.8 | 58.3 | 58.3 | 59.9 | 64.8 | 59.3 | 63.6 | 63.6 | | | | | | | |
| OVERALL MEASURED | 96.4 | 98.7 | 99.7 | 100.7 | 102.3 | 103.9 | 105.5 | 108.0 | 111.0 | 113.2 | 115.4 | 117.2 | 116.8 | 152.8 | | | | | | | |
| OVERALL CALCULATED | 109.5 | 111.8 | 112.8 | 113.3 | 114.9 | 116.3 | 118.0 | 120.7 | 123.6 | 125.0 | 125.9 | 126.8 | 126.6 | | | | | | | | |

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 343 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-109cm²(16.9in²)

PROC. DATE - MONTH 3 DAY 26 HR. 16.7
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% REG. F, 70 PERCENT REL. NUM. DAY - JENOTS)

| RDG. NO. | NO. EGA | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.45)(3.6)(3.75)(3.9)(4.05)(4.2)(4.35)(4.5)(4.65)(4.8)(4.95)(5.1)(5.25)(5.4)(5.55)(5.7)(5.85)(6.0)(6.15)(6.3)(6.45)(6.6)(6.75)(6.9)(7.05)(7.2)(7.35)(7.5)(7.65)(7.8)(7.95)(8.1)(8.25)(8.4)(8.55)(8.7)(8.85)(9.0)(9.15)(9.3)(9.45)(9.6)(9.75)(9.9)(10.05)(10.2)(10.35)(10.5)(10.65)(10.8)(10.95)(11.1)(11.25)(11.4)(11.55)(11.7)(11.85)(12.0)(12.15)(12.3)(12.45)(12.6)(12.75)(12.9)(13.05)(13.2)(13.35)(13.5)(13.65)(13.8)(13.95)(14.1)(14.25)(14.4)(14.55)(14.7)(14.85)(15.0)(15.15)(15.3)(15.45)(15.6)(15.75)(15.9)(16.05)(16.2)(16.35)(16.5)(16.65)(16.8)(16.95)(17.1)(17.25)(17.4)(17.55)(17.7)(17.85)(18.0)(18.15)(18.3)(18.45)(18.6)(18.75)(18.9)(19.05)(19.2)(19.35)(19.5)(19.65)(19.8)(19.95)(20.1)(20.25)(20.4)(20.55)(20.7)(20.85)(21.0)(21.15)(21.3)(21.45)(21.6)(21.75)(21.9)(22.05)(22.2)(22.35)(22.5)(22.65)(22.8)(22.95)(23.1)(23.25)(23.4)(23.55)(23.7)(23.85)(24.0)(24.15)(24.3)(24.45)(24.6)(24.75)(24.9)(25.05)(25.2)(25.35)(25.5)(25.65)(25.8)(25.95)(26.1)(26.25)(26.4)(26.55)(26.7)(26.85)(27.0)(27.15)(27.3)(27.45)(27.6)(27.75)(27.9)(28.05)(28.2)(28.35)(28.5)(28.65)(28.8)(28.95)(29.1)(29.25)(29.4)(29.55)(29.7)(29.85)(30.0)(30.15)(30.3)(30.45)(30.6)(30.75)(30.9)(31.05)(31.2)(31.35)(31.5)(31.65)(31.8)(31.95)(32.1)(32.25)(32.4)(32.55)(32.7)(32.85)(33.0)(33.15)(33.3)(33.45)(33.6)(33.75)(33.9)(34.05)(34.2)(34.35)(34.5)(34.65)(34.8)(34.95)(35.1)(35.25)(35.4)(35.55)(35.7)(35.85)(36.0)(36.15)(36.3)(36.45)(36.6)(36.75)(36.9)(37.05)(37.2)(37.35)(37.5)(37.65)(37.8)(37.95)(38.1)(38.25)(38.4)(38.55)(38.7)(38.85)(39.0)(39.15)(39.3)(39.45)(39.6)(39.75)(39.9)(40.05)(40.2)(40.35)(40.5)(40.65)(40.8)(40.95)(41.1)(41.25)(41.4)(41.55)(41.7)(41.85)(42.0)(42.15)(42.3)(42.45)(42.6)(42.75)(42.9)(43.05)(43.2)(43.35)(43.5)(43.65)(43.8)(43.95)(44.1)(44.25)(44.4)(44.55)(44.7)(44.85)(45.0)(45.15)(45.3)(45.45)(45.6)(45.75)(45.9)(46.05)(46.2)(46.35)(46.5)(46.65)(46.8)(46.95)(47.1)(47.25)(47.4)(47.55)(47.7)(47.85)(48.0)(48.15)(48.3)(48.45)(48.6)(48.75)(48.9)(49.05)(49.2)(49.35)(49.5)(49.65)(49.8)(49.95)(50.1)(50.25)(50.4)(50.55)(50.7)(50.85)(51.0)(51.15)(51.3)(51.45)(51.6)(51.75)(51.9)(52.05)(52.2)(52.35)(52.5)(52.65)(52.8)(52.95)(53.1)(53.25)(53.4)(53.55)(53.7)(53.85)(54.0)(54.15)(54.3)(54.45)(54.6)(54.75)(54.9)(55.05)(55.2)(55.35)(55.5)(55.65)(55.8)(55.95)(56.1)(56.25)(56.4)(56.55)(56.7)(56.85)(57.0)(57.15)(57.3)(57.45)(57.6)(57.75)(57.9)(58.05)(58.2)(58.35)(58.5)(58.65)(58.8)(58.95)(59.1)(59.25)(59.4)(59.55)(59.7)(59.85)(60.0)(60.15)(60.3)(60.45)(60.6)(60.75)(60.9)(61.05)(61.2)(61.35)(61.5)(61.65)(61.8)(61.95)(62.1)(62.25)(62.4)(62.55)(62.7)(62.85)(63.0)(63.15)(63.3)(63.45)(63.6)(63.75)(63.9)(64.05)(64.2)(64.35)(64.5)(64.65)(64.8)(64.95)(65.1)(65.25)(65.4)(65.55)(65.7)(65.85)(66.0)(66.15)(66.3)(66.45)(66.6)(66.75)(66.9)(67.05)(67.2)(67.35)(67.5)(67.65)(67.8)(67.95)(68.1)(68.25)(68.4)(68.55)(68.7)(68.85)(69.0)(69.15)(69.3)(69.45)(69.6)(69.75)(69.9)(70.05)(70.2)(70.35)(70.5)(70.65)(70.8)(70.95)(71.1)(71.25)(71.4)(71.55)(71.7)(71.85)(72.0)(72.15)(72.3)(72.45)(72.6)(72.75)(72.9)(73.05)(73.2)(73.35)(73.5)(73.65)(73.8)(73.95)(74.1)(74.25)(74.4)(74.55)(74.7)(74.85)(75.0)(75.15)(75.3)(75.45)(75.6)(75.75)(75.9)(76.05)(76.2)(76.35)(76.5)(76.65)(76.8)(76.95)(77.1)(77.25)(77.4)(77.55)(77.7)(77.85)(78.0)(78.15)(78.3)(78.45)(78.6)(78.75)(78.9)(79.05)(79.2)(79.35)(79.5)(79.65)(79.8)(79.95)(80.1)(80.25)(80.4)(80.55)(80.7)(80.85)(81.0)(81.15)(81.3)(81.45)(81.6)(81.75)(81.9)(82.05)(82.2)(82.35)(82.5)(82.65)(82.8)(82.95)(83.1)(83.25)(83.4)(83.55)(83.7)(83.85)(84.0)(84.15)(84.3)(84.45)(84.6)(84.75)(84.9)(85.1)(85.25)(85.4)(85.55)(85.7)(85.85)(86.0)(86.15)(86.3)(86.45)(86.6)(86.75)(86.9)(87.1)(87.25)(87.4)(87.55)(87.7)(87.85)(88.0)(88.15)(88.3)(88.45)(88.6)(88.75)(88.9)(89.1)(89.25)(89.4)(89.55)(89.7)(89.85)(90.0)(90.15)(90.3)(90.45)(90.6)(90.75)(90.9)(91.05)(91.2)(91.35)(91.5)(91.65)(91.8)(91.95)(92.1)(92.25)(92.4)(92.55)(92.7)(92.85)(93.0)(93.15)(93.3)(93.45)(93.6)(93.75)(93.9)(94.05)(94.2)(94.35)(94.5)(94.65)(94.8)(94.95)(95.1)(95.25)(95.4)(95.55)(95.7)(95.85)(96.0)(96.15)(96.3)(96.45)(96.6)(96.75)(96.9)(97.1)(97.25)(97.4)(97.55)(97.7)(97.85)(98.0)(98.15)(98.3)(98.45)(98.6)(98.75)(98.9)(99.1)(99.25)(99.4)(99.55)(99.7)(99.85)(100.0)(100.15)(100.3)(100.45)(100.6)(100.75)(100.9)(101.05)(101.2)(101.35)(101.5)(101.65)(101.8)(101.95)(102.1)(102.25)(102.4)(102.55)(102.7)(102.85)(103.0)(103.15)(103.3)(103.45)(103.6)(103.75)(103.9)(104.05)(104.2)(104.35)(104.5)(104.65)(104.8)(104.95)(105.1)(105.25)(105.4)(105.55)(105.7)(105.85)(106.0)(106.15)(106.3)(106.45)(106.6)(106.75)(106.9)(107.1)(107.25)(107.4)(107.55)(107.7)(107.85)(108.0)(108.15)(108.3)(108.45)(108.6)(108.75)(108.9)(109.1)(109.25)(109.4)(109.55)(109.7)(109.85)(110.0)(110.15)(110.3)(110.45)(110.6)(110.75)(110.9)(111.05)(111.2)(111.35)(111.5)(111.65)(111.8)(111.95)(112.1)(112.25)(112.4)(112.55)(112.7)(112.85)(113.0)(113.15)(113.3)(113.45)(113.6)(113.75)(113.9)(114.05)(114.2)(114.35)(114.5)(114.65)(114.8)(114.95)(115.1)(115.25)(115.4)(115.55)(115.7)(115.85)(116.0)(116.15)(116.3)(116.45)(116.6)(116.75)(116.9)(117.1)(117.25)(117.4)(117.55)(117.7)(117.85)(118.0)(118.15)(118.3)(118.45)(118.6)(118.75)(118.9)(119.1)(119.25)(119.4)(119.55)(119.7)(119.85)(120.0)(120.15)(120.3)(120.45)(120.6)(120.75)(120.9)(121.05)(121.2)(121.35)(121.5)(121.65)(121.8)(121.95)(122.1)(122.25)(122.4)(122.55)(122.7)(122.85)(123.0)(123.15)(123.3)(123.45)(123.6)(123.75)(123.9)(124.05)(124.2)(124.35)(124.5)(124.65)(124.8)(124.95)(125.1)(125.25)(125.4)(125.55)(125.7)(125.85)(126.0)(126.15)(126.3)(126.45)(126.6)(126.75)(126.9)(127.1)(127.25)(127.4)(127.55)(127.7)(127.85)(128.0)(128.15)(128.3)(128.45)(128.6)(128.75)(128.9)(129.1)(129.25)(129.4)(129.55)(129.7)(129.85)(130.0)(130.15)(130.3)(130.45)(130.6)(130.75)(130.9)(131.05)(131.2)(131.35)(131.5)(131.65)(131.8)(131.95)(132.1)(132.25)(132.4)(132.55)(132.7)(132.85)(133.0)(133.15)(133.3)(133.45)(133.6)(133.75)(133.9)(134.05)(134.2)(134.35)(134.5)(134.65)(134.8)(134.95)(135.1)(135.25)(135.4)(135.55)(135.7)(135.85)(136.0)(136.15)(136.3)(136.45)(136.6)(136.75)(136.9)(137.1)(137.25)(137.4)(137.55)(137.7)(137.85)(138.0)(138.15)(138.3)(138.45)(138.6)(138.75)(138.9)(139.1)(139.25)(139.4)(139.55)(139.7)(139.85)(140.0)(140.15)(140.3)(140.45)(140.6)(140.75)(140.9)(141.05)(141.2)(141.35)(141.5)(141.65)(141.8)(141.95)(142.1)(142.25)(142.4)(142.55)(142.7)(142.85)(143.0)(143.15)(143.3)(143.45)(143.6)(143.75)(143.9)(144.1)(144.25)(144.4)(144.55)(144.7)(144.85)(145.0)(145.15)(145.3)(145.45)(145.6)(145.75)(145.9)(146.1)(146.25)(146.4)(146.55)(146.7)(146.85)(147.0)(147.15)(147.3)(147.45)(147.6)(147.75)(147.9)(148.1)(148.25)(148.4)(148.55)(148.7)(148.85)(149.0)(149.15)(149.3)(149.45)(149.6)(149.75)(149.9)(150.1)(150.25)(150.4)(150.55)(150.7)(150.85)(151.0)(151.15)(151.3)(151.45)(151.6)(151.75)(151.9)(152.1)(152.25)(152.4)(152.55)(152.7)(152.85)(153.0)(153.15)(153.3)(153.45)(153.6)(153.75)(153.9)(154.05)(154.2)(154.35)(154.5)(154.65)(154.8)(154.95)(155.1)(155.25)(155.4)(155.55)(155.7)(155.85)(156.0)(156.15)(156.3)(156.45)(156.6)(156.75)(156.9)(157.1)(157.25)(157.4)(157.55)(157.7)(157.85)(158.0)(158.15)(158.3)(158.45)(158.6)(158.75)(158.9)(159.1)(159.25)(159.4)(159.55)(159.7)(159.85)(160.0)(160.15)(160.3)(160.45)(160.6)(160.75)(160.9)(161.05)(161.2)(161.35)(161.5)(161.65)(161.8)(161.95)(162.1)(162.25)(162.4)(162.55)(162.7)(162.85)(163.0)(163.15)(163.3)(163.45)(163.6)(163.75)(163.9)(164.05)(164.2)(164.35)(164.5)(164.65)(164.8)(164.95)(165.1)(165.25)(165.4)(165.55)(165.7)(165.85)(166.0)(166.15)(166.3)(166.45)(166.6)(166.75)(166.9)(167.1)(167.25)(167.4)(167.55)(167.7)(167.85)(168.0)(168.15)(168.3)(168.45)(168.6)(168.75)(168.9)(169.1)(169.25)(169.4)(169.55)(169.7)(169.85)(170.0)(170.15)(170.3)(170.45)(170.6)(170.75)(170.9)(171.05)(171.2)(171.35)(171.5)(171.65)(171.8)(171.95)(172.1)(172.25)(172.4)(172.55)(172.7)(172.85)(173.0)(173.15)(173.3)(173.45)(173.6)(173.75)(173.9)(174.05)(174.2)(174.35)(174.5)(174.65)(174.8)(174.95)(175.1)(175.25)(175.4)(175.55)(175.7)(175.85)(176.0)(176.15)(176.3)(176.45)(176.6)(176.75)(176.9)(177.1)(177.25)(177.4)(177.55)(177.7)(177.85)(178.0)(178.15)(178.3)(178.45)(178.6)(178.75)(178.9)(179.1)(179.25)(179.4)(179.55)(179.7)(179.85)(180.0)(180.15)(180.3)(180.45)(180.6)(180.75)(180.9)(181.05)(181.2)(181.35)(181.5)(181.65)(181.8)(181.95)(182.1)(182.25)(182.4)(182.55)(182.7)(182.85)(183.0)(183.15)(183.3)(183.45)(183.6)(183.75)(183.9)(184.05)(184.2)(184.35)(184.5)(184.65)(184.8)(184.95)(185.1)(185.25)(185.4)(185.55)(185.7)(185.85)(186.0)(186.15)(186.3)(186.45)(186.6)(186.75)(186.9)(187.1)(187.25)(187.4)(187.55)(187.7)(187.85)(188.0)(188.15)(188.3)(188.45)(188.6)(188.75)(188.9)(189.1)(189.25)(189.4)(189.55)(189.7)(189.85)(190.0)(190.15)(190.3)(190.45)(190.6)(190.75)(190.9)(191.05)(191.2)(191.35)(191.5)(191.65)(191.8)(191.95)(192.1)(192.25)(192.4)(192.55)(192.7)(192.85)(193.0)(193.15)(193.3)(193.45)(193.6)(193.75)(193.9)(194.05)(194.2)(194.35)(194.5)(194.65)(194.8)(194.95)(195.1)(195.25)(195.4)(195.55)(195.7)(195.85)(196.0)(196.15)(196.3)(196.45)(196.6)(196.75)(196.9)(197.1)(197.25)(197.4)(197.55)(197.7)(197.85)(198.0)(198.15)(198.3)(198.45)(198.6)(198.75)(198.9)(199.1)(199.25)(199.4)(199.55)(199.7)(199.85)(200.0)(200.15)(200.3)(200.45)(200.6)(200.75)(200.9)(201.05)(201.2)(201.35)(201.5)(201.65)(201.8)(201.95)(202.1)(202.25)(202.4)(202.55)(202.7)(202.85)(203.0)(203.15)(203.3)(203.45)(203.6)(203.75)(203.9)(204.05)(204.2)(204.35)(204.5)(204.65)(204.8)(204.95)(205.1)(205.25)(205.4)(205.55)(205.7)(205.85)(206.0)(206.15)(206.3)(206.45)(206.6)(206.75)(206.9)(207.1)(207.25)(207.4)(207.55)(207.7)(207.85)(208.0)(208.15)(208.3)(208.45)(208.6)(208.75)(208.9)(209.1)(209.25)(209.4)(209.55)(209.7)(209.85)(210.0)(210.15)(210.3)(210.45)(210.6)(210.75)(210.9)(211.05)(211.2)(211.35)(211.5)(211.65)(211.8)(211.95)(212.1)(212.25)(212.4)(212.55)(212.7)(212.85)(213.0)(213.15)(213.3)(213.45)(213.6)(213.75)(213.9)(214.05)(214.2)(214.35)(214.5)(214.65)(214.8)(214.95)(215.1)(215.25)(215.4)(215.55)(215.7)(215.85)(216.0)(216.15)(216.3)(216.45)(216.6)(216.75)(216.9)(217.1)(217.25)(217.4)(217.55)(217.7)(217.85)(218.0)(218.15)(218.3)(218.45)(218.6)(218.75)(218.9)(219.1)(219.25)(219.4)(219.55)(219.7)(219.85)(220.0)(220.15)(220.3)(220.45)(220.6)(220.75)(220.9)(221.05)(221.2)(221.35)(221.5)(221.65)(221.8)(221.95)(222.1)(222.25)(222.4)(222.55)(222.7)(222.85)(223.0)(223.15)(223.3)(223.45)(223.6)(223.75)(223.9)(224.05)(224.2)(224.35)(224.5)(224.65)(224.8)(224.95)(225.1)(225.25)(225.4)(225.55)(225.7)(225.85)(226.0)(226.15)(226.3)(226.45)(226.6)(226.75)(226.9)(227.1)(227.25)(227.4)(227.55)(227.7)(227.85)(228.0)(228.15)(228.3)(228.45)(228.6)(228.75)(228.9)(229.1)(229.25)(229.4)(229.55)(229.7)(229.85)(230.0)(230.15)(230.3)(230.45)(230.6)(230.75)(230.9)(231.05)(231.2)(231.35)(231.5)(231.65)(231.8)(231.95)(232.1)(232.25)(232.4)(232.55)(232.7)(232.85)(233.0)(233.15)(233.3)(233.45)(233.6)(233.75)(233.9)(234.05)(234.2)(234.35)(234.5)(234.65)(234.8)(234.95)(235.1)(235.25)(235.4)(235.55)(235.7)(235.85)(236.0)(236.15)(236.3)(236.45)(236.6)(236.75)(236.9)(237.1)(237.25)(237.4)(237.55)(237.7)(237.85)(238.0)(238.15)(238.3)(238.45)(238.6)(238.75)(238.9)(239.1)(239.25)(239.4)(239.55)(239.7)(239.85)(240.0)(240.15)(240.3)(240.45)(240.6)(240.75)(240.9)(241.05)(241.2)(241.35)(241.5)(241.65)(241.8)(241.95)(242.1)(242.25)(242.4)(242.55)(242.7)(242.85)(243.0)(243.15)(243.3)(243.45)(243.6)(243.75)(243.9)(244.05)(244.2)(244.35)(244.5)(244.65)(244.8)(244.95)(245.1)(245.25)(245.4)(245.55)(245.7)(245.85)(246.0)(246.15)(246.3)(246.45)(246.6)(246.75)(246.9)(247.1)(247.25)(247.4)(247.55)(247.7)(247.85)(248.0)(248.15)(248.3)(248.45)(248.6)(248.75)(248.9)(249.1)(249.25)(249.4)(249.55)(249.7)(249.85)(250.0)(250.15)(250.3)(250.45)(250.6)(250.75)(250.9)(251.05)(251.2)(251.35)(251.5)(251.65)(251.8)(251.95)(252.1)(252.25)(252.4)(252.55)(252.7)(252.85)(253.0)(253.15)(253.3)(253.45)(253.6)(253.75)(253.9)(254.05)(254.2)(254.35)(254.5)(254.65)(254.8)(254.95)(255.1)(255.25)(255.4)(255.55)(255.7)(255.85)(256.0)(256.15)(256.3)(256.45)(256.6)(256.75)(256.9)(257.1)(257.25)(257.4)(257.55)(257.7)(257.85)(258.0)(258.15)(258.3)(258.45)(258.6)(258.75)(258.9)(259.1)(259.25)(259.4)(259.55)(259.7)(259.85)(260.0)(260.15)(260.3)(260.45)(260.6)(260.75)(260.9)(261.05)(261.2)(261.35)(261.5)(261.65)(261.8)(261.95)(262.1)(262.25)(262.4)(262.55)(262.7)(262.85)(263.0)(263.15)(263.3)(263.45)(263.6)(263.75)(263.9)(264.05)(264.2)(264.35)(264.5)(264.65)(264.8)(264.95)(265.1)(265.25)(265.4)(265.55)(265.7)(265.85)(266.0)(266.15)(266.3)(266.45)(266.6)(266.75)(266.9)(267.1)(267.25)(267.4)(267.55)(267.7)(267.85)(268.0)(268.15)(268.3)(268.45)(268.6)(268.75)(268.9)(269.1)(269.25)(269.4)(269.55)(269.7)(269.85)(270.0)(270.15)(270.3)(270.45)(270.6)(270.75)(270.9)(271.05)(271.2)(271.35)(271.5)(271.65)(271.8)(271.95)(272.1)(272.25)(272.4)(272.55)(272.7)(272.85)(273.0)(273.15)(273.3)(273.45)(273.6)(273.75)(273.9)(274.05)(274.2)(274.35)(274.5)(274.65)(274.8)(274.95)(275.1)(275.25)(275.4)(275.55)(275.7)(275.85)(276.0)(276.15)(276.3)(276.45)(276.6)(276.75)(276.9)(277.1)(277.25)(277.4)(277.55)(277.7)(277.85)(278.0)(278.15)(278.3)(278.45)(278.6)(278.75)(278.9)(279.1)(279.25)(279.4)(279.55)(279.7)(279.85)(280.0)(280.15)(280.3)(280.45)(280.6)(280.75)(280.9)(281.05)(281.2)(281.35)(281.5)(281.65)(281.8)(281.95)(282.1)(282.25)(282.4)(282.55)(282.7)(282.85)(283.0)(283.15)(283.3)(283.45)(283.6)(283.75)(283.9)(284.05)(284.2)(284.35)(284.5)(284.65)(284.8)(284.95)(285.1)(285.25)(285.4)(285.55)(285.7)(285.85)(286.0)(286.15)(286.3)(286.45)(286.6)(286.75)(286.9)(287.1)(287.25)(287.4)(287.55)(287.7)(287.85)(288.0)(288.15)(288.3)(288.45)(288.6)(288.75)(288.9)(289.1)(289.25)(289.4)(289.55)(289.7)(289.85)(290.0)(290.15)(290.3)(290.45)(290.6)(290.75)(290.9)(291.05)(291.2)(291.35)(291.5)(291.65)(291.8)(291.95)(292.1)(292.25)(292.4)(292.55)(292.7)(292.85)(293.0)(293.15)(293.3)(293.45)(293.6)(293.75)(293.9)(294.05)(294.2)(294.35)(294.5)(294.65)(294.8)(294.95)(295.1)(295.25)(295.4)(295.55)(295.7)(295.85)(296.0)(296.15)(296.3)(296.45)(296.6)(296.75)(296.9)(297.1)(297.25)(297.4)(297.55)(297.7)(297.85)(298.0)(298.15)(298.3)(298.45)(298.6)(298.75)(298.9)(299.1)(299.25)(299.4)(299.55)(299.7)(299.85)(300.0)(300.15)(300.3)(300.45)(300.6)(300.75)(300 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| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | |
|---|-----------------|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|----|----|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| | | FREQ. | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.25)(3.5) | | | | | | | | | | | | | | | |
| NO EGA
SIDELINE 2400. FT.
(731.52 M) | 50 | 51.5 | 55.6 | 58.1 | 58.9 | 60.9 | 63.2 | 65.2 | 66.2 | 67.4 | 71.1 | 75.3 | 75.4 | 72.8 | | | | |
| | 63 | 52.5 | 58.6 | 58.2 | 61.5 | 64.5 | 65.2 | 66.0 | 67.5 | 69.7 | 73.4 | 77.0 | 78.5 | 75.2 | | | | |
| | 80 | 55.2 | 58.3 | 61.4 | 62.2 | 63.9 | 65.2 | 66.7 | 68.9 | 71.4 | 76.1 | 79.7 | 79.6 | 75.6 | | | | |
| | 100 | 55.7 | 58.0 | 60.4 | 62.2 | 64.2 | 66.5 | 67.7 | 69.7 | 72.7 | 77.6 | 80.7 | 80.8 | 76.0 | | | | |
| | NFA
(1. RPM | 125 | 56.4 | 59.8 | 61.4 | 64.0 | 65.5 | 67.5 | 69.2 | 71.2 | 74.4 | 78.1 | 81.2 | 81.5 | 76.1 | | | |
| NFK
(0. RAD/SEC) | 160 | 58.0 | 60.9 | 63.7 | 64.9 | 66.9 | 68.4 | 70.1 | 72.6 | 75.6 | 78.7 | 81.0 | 80.0 | 75.5 | | | | |
| | 200 | 60.1 | 63.1 | 65.0 | 66.6 | 68.1 | 69.6 | 71.1 | 73.1 | 76.0 | 79.1 | 79.7 | 77.1 | 73.9 | | | | |
| | 250 | 58.9 | 62.4 | 65.1 | 66.5 | 67.8 | 70.0 | 71.3 | 74.0 | 76.1 | 78.3 | 77.5 | 76.4 | 72.0 | | | | |
| | NFO 7500. RPM | 315 | 59.2 | 63.0 | 64.5 | 66.4 | 67.7 | 70.7 | 71.4 | 73.6 | 76.3 | 77.9 | 76.8 | 74.5 | 70.3 | | | |
| | (785. RAD/SEC) | 400 | 58.8 | 62.2 | 65.0 | 65.9 | 67.9 | 69.9 | 71.7 | 74.1 | 76.0 | 77.0 | 76.8 | 72.0 | 67.5 | | | |
| AIRFLOW RATIO
WF/NM 5.50 | 500 | 58.4 | 62.1 | 65.0 | 65.9 | 68.2 | 69.7 | 71.0 | 73.6 | 76.5 | 75.7 | 72.7 | 70.4 | 64.8 | | | | |
| | 630 | 58.7 | 63.1 | 65.5 | 65.9 | 68.3 | 69.6 | 71.3 | 73.9 | 75.7 | 74.7 | 72.3 | 69.1 | 63.3 | | | | |
| | 800 | 56.4 | 60.4 | 63.2 | 65.1 | 66.5 | 68.4 | 70.3 | 72.1 | 74.7 | 73.8 | 70.0 | 67.2 | 60.4 | | | | |
| | VEHICLE CELL 41 | 1000 | 54.7 | 59.6 | 62.3 | 65.1 | 66.7 | 68.8 | 69.7 | 72.3 | 73.8 | 72.0 | 68.6 | 65.7 | 58.7 | | | |
| | CONFIG NC42 | 1250 | 53.2 | 57.9 | 61.2 | 64.1 | 66.0 | 68.3 | 69.3 | 70.8 | 72.4 | 70.6 | 67.4 | 64.6 | 57.7 | | | |
| LOC C41 ANECH CH
DATE 06-02-76
RUN CONF3HIGHFL4
TAPE X03430 | 1600 | 50.2 | 55.7 | 58.2 | 62.0 | 65.0 | 66.8 | 68.5 | 69.7 | 70.7 | 68.4 | 65.6 | 63.0 | 55.0 | | | | |
| | 2000 | 46.5 | 54.2 | 57.0 | 59.6 | 62.9 | 64.3 | 66.2 | 68.3 | 69.5 | 66.2 | 63.0 | 60.2 | 50.7 | | | | |
| | 2500 | 41.1 | 49.8 | 52.9 | 56.7 | 59.6 | 61.0 | 63.3 | 64.2 | 64.9 | 62.1 | 58.8 | 55.2 | 43.6 | | | | |
| | FAN TIP SPEED | 3150 | 34.6 | 44.9 | 48.6 | 52.7 | 55.8 | 57.2 | 58.3 | 59.7 | 60.9 | 56.8 | 52.6 | 47.4 | 32.1 | | | |
| | FT/SEC | 4000 | 24.8 | 35.8 | 41.0 | 45.3 | 49.9 | 50.1 | 52.0 | 51.0 | 52.0 | 46.6 | 41.6 | 32.6 | 14.1 | | | |
| OVERALL CALCULATED | 5000 | 17.2 | 31.2 | 35.6 | 40.1 | 44.6 | 45.5 | 47.0 | 45.6 | 47.1 | 40.4 | 36.5 | 23.7 | 3.0 | | | | |
| | 6300 | 2.5 | 19.3 | 26.1 | 31.4 | 35.8 | 36.4 | 36.8 | 36.6 | 34.9 | 27.2 | 20.4 | 5.9 | | | | | |
| | 8000 | | | 9.7 | 15.8 | 20.5 | 21.4 | 21.5 | 20.4 | 18.2 | 8.1 | | | | | | | |
| | 10000 | | | | | | 0.9 | 0.5 | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | |
| PHD | 16000 | 69.0 | 72.8 | 75.2 | 76.8 | 78.8 | 80.6 | 82.0 | 84.2 | 86.5 | 88.2 | 89.3 | 88.6 | 84.3 | | | | |
| | | 73.2 | 78.2 | 80.9 | 83.2 | 85.8 | 87.6 | 89.2 | 91.1 | 92.8 | 92.8 | 92.0 | 90.2 | 84.7 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 343 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m(513in²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANIS)

PROC. DATE - MONTH 8 DAY 26 HR. 12.4
 FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.45)(3.6)(3.75)(3.9)(4.05)(4.2)(4.35)(4.5)(4.65)(4.8)(5.0) PUL

| RDG. NO. 0. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RADIAL (12. M) | 78.4 | 86.9 | 83.7 | 86.0 | 87.0 | 87.2 | 88.3 | 88.5 | 89.4 | 90.7 | 95.2 | 94.9 | 97.4 | 132.3 |
| VEHICLE CELL41 | 77.3 | 81.1 | 82.1 | 84.7 | 86.7 | 87.6 | 88.5 | 88.9 | 89.9 | 90.7 | 96.1 | 98.1 | 98.4 | 132.9 |
| CONF. NC42 | 77.4 | 79.9 | 83.2 | 83.0 | 83.8 | 84.7 | 84.8 | 86.2 | 88.4 | 93.7 | 98.2 | 99.4 | 101.4 | 134.5 |
| LOC C41 ANECH CH | 80.0 | 80.5 | 81.3 | 83.8 | 84.7 | 85.8 | 86.7 | 89.1 | 91.8 | 95.4 | 100.1 | 104.0 | 105.3 | 137.7 |
| DATE 06-02-76 | 250 | 79.1 | 82.3 | 83.6 | 85.0 | 86.6 | 89.5 | 90.6 | 92.8 | 97.4 | 104.1 | 106.3 | 107.1 | 140.1 |
| RUN CONF3HIGHFLW | 315 | 81.2 | 85.2 | 85.9 | 88.3 | 89.2 | 90.1 | 92.0 | 95.2 | 100.0 | 106.0 | 109.1 | 109.4 | 142.5 |
| TAPE X03440 | 400 | 82.7 | 84.7 | 86.2 | 87.8 | 89.2 | 91.1 | 93.3 | 96.7 | 103.0 | 109.2 | 110.7 | 110.5 | 144.5 |
| BAR 29.4 HG | 500 | 83.3 | 84.5 | 86.0 | 87.1 | 88.2 | 90.6 | 92.2 | 94.1 | 98.0 | 105.1 | 110.8 | 112.0 | 145.8 |
| (99347. N/M2) | 630 | 84.9 | 86.9 | 86.4 | 88.4 | 90.0 | 91.9 | 93.8 | 96.2 | 99.9 | 105.5 | 111.4 | 113.3 | 146.7 |
| TAMB 66. DEG F | 800 | 87.4 | 88.2 | 88.7 | 89.7 | 91.3 | 93.2 | 94.5 | 97.4 | 101.7 | 107.0 | 112.4 | 113.6 | 147.5 |
| (292. DEG K) | 1000 | 91.7 | 92.2 | 92.0 | 92.0 | 93.4 | 94.2 | 95.9 | 98.0 | 101.7 | 106.6 | 111.5 | 112.2 | 148.9 |
| TWET 63. DEG F | 1250 | 89.6 | 90.8 | 92.6 | 93.7 | 95.3 | 96.7 | 99.6 | 103.3 | 106.6 | 110.4 | 112.5 | 112.1 | 149.9 |
| (290. DEG K) | 1600 | 89.1 | 90.9 | 90.9 | 92.5 | 93.6 | 95.9 | 96.8 | 99.2 | 103.4 | 106.3 | 108.7 | 111.4 | 146.8 |
| HACT13.77 GM/M3 | 2000 | 90.4 | 91.5 | 92.2 | 92.8 | 93.6 | 95.5 | 97.3 | 100.0 | 103.7 | 105.8 | 107.5 | 109.5 | 146.0 |
| (.01377 KG/M3) | 2500 | 90.0 | 91.1 | 92.1 | 92.9 | 94.7 | 95.3 | 97.5 | 100.1 | 104.3 | 104.9 | 106.9 | 108.1 | 144.9 |
| FREQ. SHIFT | 3150 | 90.0 | 91.5 | 92.1 | 92.8 | 94.9 | 95.8 | 98.2 | 100.6 | 104.3 | 104.9 | 107.6 | 107.5 | 144.4 |
| JET | 4000 | 89.3 | 90.8 | 91.8 | 92.4 | 93.2 | 95.3 | 97.7 | 101.1 | 103.6 | 104.4 | 106.1 | 106.3 | 143.4 |
| DIAMETER RATIO | 5000 | 89.1 | 91.2 | 91.3 | 93.1 | 94.9 | 96.5 | 98.1 | 100.3 | 103.6 | 102.9 | 105.3 | 105.7 | 143.2 |
| DF/DM 1 | 6300 | 88.9 | 91.3 | 91.3 | 93.1 | 94.6 | 96.3 | 98.2 | 100.4 | 102.9 | 102.2 | 104.9 | 105.3 | 143.0 |
| | 8000 | 89.2 | 90.6 | 90.6 | 92.6 | 94.6 | 96.7 | 97.1 | 99.6 | 101.8 | 101.2 | 103.4 | 104.7 | 142.5 |
| | 10000 | 88.6 | 92.7 | 92.1 | 93.1 | 94.6 | 96.3 | 97.6 | 100.1 | 99.1 | 101.7 | 103.0 | 103.8 | 141.5 |
| | 12500 | 86.8 | 92.3 | 91.9 | 92.6 | 93.7 | 96.0 | 96.4 | 99.5 | 98.0 | 100.3 | 101.1 | 102.1 | 141.1 |
| | 16000 | 84.8 | 90.6 | 90.2 | 92.4 | 93.2 | 95.4 | 96.4 | 99.5 | 98.0 | 100.3 | 101.1 | 102.1 | 138.9 |
| | 20000 | 82.0 | 88.3 | 88.6 | 89.8 | 92.5 | 91.4 | 93.4 | 92.7 | 95.9 | 94.4 | 97.0 | 96.4 | 137.4 |
| | 25000 | 79.0 | 85.5 | 84.7 | 87.5 | 89.7 | 88.4 | 89.2 | 89.7 | 93.6 | 90.8 | 95.1 | 92.4 | 137.0 |
| | 31500 | 76.8 | 82.6 | 83.2 | 85.2 | 87.4 | 86.9 | 87.1 | 88.1 | 90.2 | 87.7 | 91.5 | 90.8 | 135.9 |
| | 40000 | 71.8 | 78.1 | 80.2 | 81.5 | 82.1 | 82.1 | 82.8 | 84.1 | 85.2 | 86.0 | 87.3 | 86.5 | 134.0 |
| | 50000 | 66.3 | 71.7 | 73.9 | 75.7 | 74.8 | 75.4 | 75.8 | 77.4 | 78.6 | 77.8 | 82.4 | 80.7 | 133.9 |
| | 63000 | 60.9 | 64.8 | 68.6 | 68.1 | 68.3 | 68.9 | 70.1 | 71.9 | 72.4 | 76.5 | 74.0 | 75.8 | 138.6 |
| | 80000 | 56.5 | 60.0 | 65.8 | 63.5 | 62.5 | 63.6 | 63.5 | 62.2 | 66.0 | 69.2 | 71.8 | 69.5 | 157.7 |
| OVERALL MEASURED | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 101.2 | 103.5 | 103.8 | 106.9 | 106.3 | 107.5 | 109.3 | 111.6 | 114.9 | 117.1 | 121.2 | 122.6 | 122.2 | |
| PNDB | 113.7 | 115.4 | 115.9 | 116.9 | 118.5 | 119.7 | 121.7 | 124.4 | 127.6 | 129.1 | 132.4 | 133.3 | 133.0 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 344 ACUSTIC RANGE 12.2m(40ft.) ARC MODEL-109cm²(16.9in²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 HR. 16.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | 0. 0. 0. | | | PWL |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| 50 | 52.4 | 85.7 | 86.7 | 87.0 | 88.3 | 89.9 | 92.8 | 94.0 | 96.2 | 100.7 | 107.4 | 109.6 | 110.4 | 155.0 |
| 63 | 24.5 | 88.5 | 86.3 | 89.3 | 91.6 | 92.5 | 93.4 | 95.3 | 98.5 | 103.3 | 109.3 | 112.5 | 112.8 | 157.3 |
| 80 | 86.0 | 88.0 | 89.5 | 89.8 | 91.2 | 92.5 | 94.4 | 96.6 | 100.0 | 106.4 | 112.6 | 114.0 | 113.8 | 159.3 |
| 100 | 86.6 | 87.9 | 89.4 | 90.4 | 91.5 | 94.1 | 95.5 | 97.4 | 101.4 | 108.4 | 114.2 | 115.3 | 114.1 | 160.6 |
| 125 | 88.2 | 90.2 | 89.7 | 91.8 | 93.6 | 95.2 | 97.1 | 99.5 | 103.2 | 108.8 | 114.8 | 116.7 | 114.7 | 161.5 |
| 160 | 90.7 | 91.3 | 92.0 | 93.0 | 94.6 | 96.5 | 97.9 | 100.8 | 105.0 | 110.3 | 115.8 | 117.0 | 115.7 | 162.4 |
| 200 | 95.0 | 95.6 | 95.3 | 95.4 | 96.7 | 97.6 | 99.2 | 101.4 | 105.1 | 109.9 | 114.9 | 115.5 | 115.8 | 161.7 |
| 250 | 93.1 | 94.2 | 95.9 | 96.2 | 97.0 | 98.7 | 100.0 | 103.0 | 106.7 | 110.0 | 113.7 | 115.9 | 115.4 | 161.6 |
| 315 | 92.5 | 94.3 | 94.5 | 95.8 | 96.9 | 99.3 | 100.2 | 102.6 | 106.5 | 109.6 | 112.1 | 114.7 | 113.0 | 160.8 |
| 400 | 93.8 | 94.8 | 95.6 | 96.1 | 97.0 | 98.8 | 100.7 | 103.4 | 107.1 | 109.2 | 110.9 | 113.0 | 112.8 | 159.7 |
| 500 | 93.4 | 94.4 | 95.5 | 96.2 | 98.1 | 98.7 | 100.8 | 103.5 | 107.7 | 108.3 | 110.2 | 112.2 | 111.4 | 159.2 |
| 630 | 93.4 | 94.9 | 95.5 | 96.2 | 98.3 | 99.2 | 101.6 | 104.0 | 107.7 | 108.3 | 111.0 | 111.2 | 110.9 | 158.2 |
| 800 | 92.7 | 94.3 | 95.3 | 95.8 | 96.7 | 97.8 | 99.8 | 101.2 | 104.6 | 107.1 | 107.9 | 109.6 | 108.8 | 158.1 |
| 1000 | 92.6 | 94.7 | 95.2 | 96.7 | 97.5 | 99.4 | 101.3 | 104.2 | 106.4 | 106.3 | 110.2 | 109.6 | 108.4 | 158.0 |
| 1250 | 92.5 | 94.8 | 94.9 | 96.6 | 98.5 | 100.1 | 101.7 | 103.9 | 107.1 | 106.5 | 108.9 | 109.3 | 108.8 | 157.8 |
| 1600 | 92.9 | 94.3 | 94.3 | 96.3 | 98.7 | 100.0 | 101.9 | 104.1 | 106.6 | 106.0 | 108.6 | 109.0 | 108.5 | 157.3 |
| 2000 | 92.6 | 96.7 | 96.0 | 97.0 | 98.6 | 98.7 | 101.1 | 103.5 | 105.8 | 105.2 | 107.3 | 108.7 | 108.9 | 156.3 |
| 2500 | 91.0 | 96.5 | 96.2 | 96.9 | 97.9 | 98.3 | 100.6 | 101.9 | 103.4 | 103.3 | 106.0 | 107.3 | 108.0 | 155.9 |
| 3150 | 89.7 | 95.4 | 95.1 | 97.3 | 98.1 | 98.4 | 98.9 | 101.3 | 104.3 | 102.8 | 105.2 | 106.0 | 106.9 | 153.7 |
| 4000 | 87.5 | 93.8 | 94.2 | 95.3 | 98.1 | 96.9 | 98.9 | 98.3 | 101.4 | 99.9 | 102.5 | 102.0 | 103.4 | 152.3 |
| 5000 | 85.9 | 92.4 | 91.5 | 94.3 | 96.5 | 95.3 | 96.0 | 96.3 | 100.3 | 97.6 | 101.9 | 99.2 | 101.0 | 151.8 |
| 6300 | 85.2 | 91.0 | 91.6 | 93.6 | 95.9 | 95.3 | 95.6 | 96.6 | 98.6 | 96.2 | 99.9 | 99.3 | 100.3 | 150.7 |
| 8000 | 82.6 | 88.9 | 91.0 | 92.3 | 92.9 | 92.9 | 93.6 | 94.8 | 95.9 | 94.8 | 98.1 | 97.2 | 99.1 | 148.8 |
| 10000 | 80.2 | 85.5 | 87.7 | 89.5 | 88.6 | 89.2 | 89.7 | 91.2 | 92.4 | 91.6 | 96.2 | 94.5 | 95.1 | 148.7 |
| 12500 | 79.2 | 83.1 | 86.9 | 86.9 | 86.4 | 86.6 | 87.2 | 88.4 | 90.1 | 90.7 | 94.7 | 92.2 | 94.0 | 153.4 |
| 16000 | 81.1 | 84.6 | 90.4 | 86.1 | 87.1 | 88.2 | 88.1 | 88.9 | 90.6 | 93.8 | 96.4 | 94.1 | 96.9 | 172.5 |
| OVERALL CALCULATED | 104.8 | 107.3 | 107.7 | 108.8 | 110.3 | 111.2 | 113.0 | 115.3 | 118.5 | 120.5 | 124.5 | 125.9 | 125.5 | |
| PMDB | 115.7 | 110.9 | 119.9 | 121.5 | 122.8 | 123.3 | 124.9 | 126.6 | 129.7 | 129.7 | 132.8 | 133.7 | 133.9 | |

NO EGA
 ADG. NO. 0.
 RADIAL 150. FT.
 VEHICLE (46. M)
 CONFIG CELL 1
 LOC C41 ANECH CH
 DATE 06-02-76
 RUN CONF3 HIGHFLW
 TAPE X03440
 BAR 29.4 MG
 (99347. N/M2)
 TAMB 66. DEG F
 (292. DEG K)
 TWET 03. DEG F
 (290. DEG K)
 MACT13.77 GM/M3
 (.01377 KG/M3)
 FREQ. SHIFT
 JET
 DIAMETER RATIO
 0F/DH 5.50

OVERALL CALCULATED

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 344 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL - 33m²(513in²)

PROC. DATE - MONTH 8 DAY 26 HR. 16.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | |
|--------------------|--|------|------|------|------|------|------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| NO EGA | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| SIDELINE 2400. FT. | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| (731.52 M) | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| NPA | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| (1. RPM) | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| NFK | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| (0. RAD/SEC) | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| NFD | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| (0. RAD/SEC) | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| (785. RAD/SEC) | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| AIRFLOW RATIO | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| WF/W | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| VEHICLE | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| CELL41 | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| CONF16 | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| LOC C41 ANECH CH | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| DATE 06-02-76 | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| RUN CONF3HIGHFLW | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| TAPE X0344C | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| PAN TIP SPEED | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| FT/SEC | 54.2 | 59.1 | 61.1 | 62.2 | 63.9 | 65.7 | 68.4 | 69.2 | 70.6 | 74.1 |
| OVERALL CALCULATED | 73.5 | 76.9 | 78.7 | 80.5 | 82.4 | 84.1 | 85.7 | 87.7 | 90.3 | 92.2 |
| PNGB | 78.4 | 83.0 | 85.5 | 87.9 | 90.2 | 91.4 | 93.1 | 94.7 | 96.6 | 98.2 |

OVERALL CALCULATED 73.5 76.9 78.7 80.5 82.4 84.1 85.7 87.7 90.3 92.2 94.9 96.0 89.4

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 344 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

PROC. DATE - MONTH 8 DAY 25 HR. 12.6
F. 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIANS)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| -3 | 345 | 12.2m(40ft.) ARC | MODEL-109cm ² (16.9in ²) |

| | ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| 50 | 84.4 | 87.2 | 88.4 | 88.7 | 90.0 | 91.4 | 93.8 | 95.0 | 98.2 | 103.2 | 109.4 | 111.4 | 112.2 | 136.8 | | | | | |
| 63 | 86.2 | 89.5 | 88.3 | 90.3 | 93.1 | 93.5 | 94.6 | 96.3 | 100.0 | 105.8 | 111.5 | 114.2 | 114.5 | 159.2 | | | | | |
| 80 | 88.3 | 89.5 | 90.8 | 91.3 | 92.9 | 94.5 | 97.0 | 98.1 | 102.5 | 109.4 | 114.3 | 116.3 | 115.0 | 181.3 | | | | | |
| 100 | 89.3 | 89.6 | 90.9 | 91.9 | 93.8 | 95.6 | 97.0 | 99.4 | 103.9 | 111.4 | 115.9 | 117.3 | 115.9 | 162.6 | | | | | |
| 125 | 90.4 | 91.7 | 92.0 | 93.8 | 95.4 | 96.5 | 98.4 | 100.8 | 105.7 | 111.8 | 116.8 | 117.9 | 116.2 | 183.3 | | | | | |
| 160 | 93.0 | 93.0 | 93.5 | 95.5 | 96.9 | 98.0 | 99.9 | 102.3 | 107.5 | 112.8 | 118.0 | 118.7 | 117.2 | 184.3 | | | | | |
| 200 | 96.5 | 96.8 | 97.3 | 97.6 | 98.7 | 99.3 | 100.7 | 103.6 | 107.6 | 113.2 | 117.4 | 117.8 | 117.6 | 184.1 | | | | | |
| 250 | 95.4 | 96.7 | 98.2 | 98.2 | 98.8 | 100.7 | 102.6 | 105.0 | 108.9 | 112.7 | 116.2 | 119.1 | 117.4 | 184.2 | | | | | |
| 315 | 95.0 | 95.8 | 96.3 | 97.3 | 98.7 | 100.8 | 101.9 | 104.6 | 109.5 | 112.1 | 115.3 | 118.3 | 117.5 | 183.8 | | | | | |
| 400 | 96.0 | 96.3 | 97.3 | 97.6 | 99.0 | 100.6 | 102.5 | 105.6 | 109.1 | 111.7 | 114.4 | 117.5 | 115.8 | 182.9 | | | | | |
| 500 | 95.2 | 95.9 | 97.2 | 98.7 | 99.8 | 100.7 | 102.8 | 105.7 | 110.0 | 111.3 | 114.0 | 116.9 | 114.2 | 182.5 | | | | | |
| 630 | 96.2 | 96.7 | 97.2 | 98.5 | 100.1 | 100.7 | 103.1 | 106.7 | 110.0 | 111.6 | 114.3 | 115.9 | 112.7 | 182.3 | | | | | |
| 800 | 95.0 | 95.8 | 97.3 | 98.1 | 99.2 | 100.8 | 102.7 | 106.3 | 109.3 | 110.6 | 113.3 | 114.2 | 110.3 | 181.2 | | | | | |
| 1000 | 96.1 | 97.4 | 97.7 | 98.2 | 99.5 | 101.2 | 103.0 | 106.5 | 109.4 | 110.3 | 113.2 | 113.4 | 110.2 | 181.1 | | | | | |
| 1250 | 96.5 | 98.3 | 98.1 | 98.4 | 100.0 | 102.3 | 103.7 | 106.4 | 109.6 | 110.0 | 112.4 | 112.6 | 110.3 | 180.8 | | | | | |
| 1600 | 95.4 | 97.8 | 97.8 | 99.3 | 100.7 | 102.3 | 103.9 | 106.6 | 109.1 | 109.7 | 112.1 | 112.5 | 109.8 | 180.7 | | | | | |
| 2000 | 93.8 | 98.9 | 100.0 | 100.3 | 101.6 | 101.2 | 103.8 | 106.3 | 108.8 | 109.4 | 110.6 | 111.9 | 109.7 | 180.3 | | | | | |
| 2500 | 91.5 | 97.8 | 98.9 | 99.4 | 100.9 | 100.8 | 102.6 | 104.6 | 107.2 | 107.1 | 110.0 | 110.1 | 108.8 | 159.1 | | | | | |
| 3150 | 89.7 | 96.4 | 97.1 | 100.0 | 102.1 | 100.9 | 102.1 | 103.8 | 106.8 | 106.1 | 108.4 | 109.2 | 108.4 | 158.6 | | | | | |
| 4000 | 88.0 | 93.8 | 95.2 | 97.3 | 100.8 | 100.2 | 101.2 | 100.5 | 103.9 | 103.2 | 104.0 | 105.0 | 104.4 | 156.0 | | | | | |
| 5000 | 85.6 | 92.4 | 93.2 | 95.3 | 97.8 | 98.0 | 98.3 | 98.5 | 102.2 | 101.1 | 103.9 | 102.7 | 102.3 | 156.4 | | | | | |
| 6300 | 84.4 | 91.0 | 93.9 | 95.9 | 97.9 | 96.8 | 96.3 | 96.8 | 100.1 | 99.2 | 101.6 | 102.5 | 100.8 | 153.8 | | | | | |
| 8000 | 82.1 | 88.6 | 92.0 | 94.0 | 95.1 | 94.9 | 95.9 | 96.8 | 97.9 | 98.0 | 101.1 | 101.0 | 99.3 | 153.0 | | | | | |
| 10000 | 79.4 | 85.2 | 89.2 | 90.7 | 90.4 | 91.2 | 93.2 | 92.5 | 94.9 | 94.3 | 99.5 | 97.5 | 96.6 | 151.2 | | | | | |
| 12500 | 78.5 | 83.1 | 87.7 | 88.4 | 87.4 | 88.4 | 88.4 | 88.4 | 92.2 | 90.2 | 91.6 | 93.7 | 94.0 | 151.5 | | | | | |
| 16000 | 81.4 | 84.6 | 90.4 | 86.6 | 87.6 | 86.7 | 84.8 | 90.4 | 92.9 | 96.0 | 103.2 | 95.8 | 97.4 | 157.0 | | | | | |
| OVERALL CALCULATED | 107.0 | 109.0 | 109.9 | 110.9 | 112.5 | 113.3 | 115.0 | 117.5 | 120.9 | 123.5 | 127.2 | 128.8 | 127.3 | 175.0 | | | | | |
| PH88 | 117.1 | 121.2 | 122.3 | 123.9 | 125.6 | 127.1 | 128.9 | 132.1 | 133.0 | 135.9 | 136.8 | 135.4 | | | | | | | |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|
| FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| NO EGA | 56.2 | 62.6 | 62.9 | 63.9 | 65.7 | 67.2 | 69.4 | 70.2 | 72.6 |
| (731.52 M) | 58.0 | 62.8 | 62.7 | 65.5 | 68.7 | 69.2 | 70.2 | 71.5 | 74.4 |
| 1. RPM | 59.9 | 62.8 | 65.2 | 66.4 | 68.4 | 70.2 | 70.7 | 73.2 | 76.9 |
| (731.52 M) | 60.9 | 62.8 | 65.2 | 66.9 | 69.2 | 71.2 | 72.5 | 74.4 | 78.2 |
| 1. RPM | 61.9 | 64.8 | 66.2 | 68.7 | 70.7 | 72.0 | 73.7 | 75.9 | 79.9 |
| (731.52 M) | 64.2 | 65.9 | 67.6 | 70.4 | 72.1 | 73.4 | 75.1 | 77.1 | 81.6 |
| 1. RPM | 67.6 | 69.6 | 71.2 | 72.3 | 73.8 | 74.6 | 75.8 | 78.3 | 81.5 |
| (731.52 M) | 69.2 | 71.9 | 72.7 | 73.8 | 75.8 | 77.0 | 79.5 | 82.6 | 85.3 |
| 1. RPM | 65.4 | 68.0 | 69.8 | 71.6 | 73.4 | 75.7 | 78.9 | 82.0 | 85.8 |
| (731.52 M) | 68.2 | 70.5 | 71.6 | 73.4 | 75.2 | 76.9 | 79.6 | 82.2 | 85.5 |
| 1. RPM | 64.6 | 67.4 | 70.0 | 72.4 | 74.0 | 75.0 | 77.0 | 79.4 | 82.7 |
| (731.52 M) | 67.6 | 69.5 | 71.7 | 73.8 | 74.6 | 76.8 | 79.9 | 82.2 | 85.1 |
| 1. RPM | 62.9 | 65.9 | 68.9 | 70.6 | 72.3 | 74.1 | 75.8 | 78.9 | 80.9 |
| (731.52 M) | 62.9 | 66.6 | 68.5 | 70.1 | 72.0 | 73.8 | 75.5 | 78.3 | 80.3 |
| 1. RPM | 62.0 | 66.4 | 67.9 | 69.3 | 71.5 | 74.1 | 75.3 | 77.3 | 79.4 |
| (731.52 M) | 59.0 | 64.2 | 66.2 | 69.0 | 71.0 | 72.8 | 74.2 | 76.2 | 77.5 |
| 1. RPM | 59.0 | 63.5 | 66.7 | 68.3 | 70.4 | 70.3 | 72.7 | 74.3 | 75.5 |
| (731.52 M) | 49.4 | 59.6 | 63.2 | 65.2 | 67.6 | 67.8 | 69.3 | 70.5 | 71.4 |
| 1. RPM | 42.1 | 53.7 | 57.4 | 62.2 | 65.3 | 65.4 | 66.0 | 67.2 | 68.9 |
| (731.52 M) | 32.4 | 44.4 | 49.6 | 54.1 | 59.0 | 58.7 | 59.3 | 57.3 | 58.3 |
| 1. RPM | 25.3 | 39.0 | 44.2 | 49.0 | 52.9 | 53.6 | 54.4 | 52.2 | 53.2 |
| (731.52 M) | 26.2 | 34.8 | 40.3 | 44.2 | 43.8 | 44.7 | 45.3 | 41.0 | 34.4 |
| 1. RPM | 10.4 | 26.2 | 34.8 | 40.3 | 28.0 | 28.6 | 28.7 | 27.1 | 23.4 |
| (731.52 M) | 6.3 | 17.5 | 1.3 | 4.5 | 6.4 | 7.3 | 3.0 | 15.7 | 5.9 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | 93.6 | 95.2 | 97.0 | 99.1 |
| 1. RPM | 75.7 | 78.7 | 80.8 | 82.6 | 84.4 | 85.9 | 87.4 | 89.8 | 92.7 |
| (731.52 M) | 80.6 | 85.6 | 88.4 | 90.5 | 92.7 | | | | |

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | NO EGA | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) | | | | | | | | | | HUM. DAY - JENOTS | | | | | | | | | |
|--------------------|--------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|----|----|----|----|----|----|----|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 100 | 76.9 | 86.2 | 84.2 | 85.5 | 87.0 | 86.9 | 87.3 | 88.5 | 89.4 | 91.0 | 94.6 | 94.9 | 97.2 | 132.0 | | | | | | | |
| 125 | 75.8 | 80.6 | 81.9 | 84.2 | 86.0 | 87.4 | 88.0 | 88.9 | 87.4 | 87.2 | 95.4 | 97.6 | 97.9 | 132.4 | | | | | | | |
| 160 | 76.6 | 79.2 | 82.4 | 83.0 | 83.5 | 84.2 | 84.0 | 86.2 | 88.4 | 93.2 | 97.2 | 98.6 | 100.7 | 133.7 | | | | | | | |
| 200 | 79.5 | 79.8 | 81.3 | 83.3 | 84.9 | 85.6 | 86.4 | 86.6 | 91.8 | 97.4 | 99.8 | 104.0 | 105.0 | 137.6 | | | | | | | |
| 250 | 78.6 | 81.6 | 83.1 | 83.4 | 85.2 | 86.6 | 89.2 | 90.6 | 92.8 | 97.7 | 104.1 | 106.0 | 106.6 | 139.9 | | | | | | | |
| 315 | 80.4 | 84.7 | 83.2 | 85.7 | 88.1 | 88.4 | 89.6 | 92.2 | 95.2 | 100.3 | 106.0 | 108.9 | 109.2 | 142.4 | | | | | | | |
| 400 | 82.7 | 84.5 | 86.0 | 86.0 | 88.1 | 89.0 | 90.3 | 93.3 | 97.5 | 103.3 | 109.0 | 110.7 | 110.0 | 144.4 | | | | | | | |
| 500 | 83.0 | 84.0 | 85.8 | 87.1 | 88.7 | 90.5 | 91.7 | 94.8 | 98.8 | 105.1 | 110.3 | 111.7 | 109.8 | 145.4 | | | | | | | |
| 630 | 84.4 | 86.4 | 86.6 | 88.7 | 90.5 | 91.6 | 93.3 | 96.2 | 100.4 | 106.0 | 110.7 | 112.8 | 110.6 | 146.2 | | | | | | | |
| 800 | 86.9 | 87.7 | 87.9 | 90.2 | 91.5 | 92.9 | 94.8 | 97.7 | 101.9 | 106.7 | 111.7 | 113.4 | 111.9 | 147.1 | | | | | | | |
| 1000 | 89.5 | 90.5 | 91.2 | 92.0 | 92.6 | 94.0 | 95.6 | 98.5 | 102.0 | 106.8 | 110.5 | 112.2 | 111.7 | 146.5 | | | | | | | |
| 1250 | 88.0 | 90.1 | 91.8 | 92.1 | 92.9 | 95.1 | 96.7 | 99.1 | 103.1 | 106.4 | 109.1 | 113.0 | 111.3 | 146.4 | | | | | | | |
| 1600 | 88.1 | 89.7 | 90.4 | 92.0 | 92.3 | 95.4 | 96.3 | 99.0 | 103.7 | 106.3 | 108.2 | 111.4 | 111.7 | 145.8 | | | | | | | |
| 2000 | 88.7 | 90.0 | 91.7 | 92.0 | 93.3 | 95.2 | 97.6 | 100.0 | 103.7 | 106.1 | 107.3 | 110.9 | 109.7 | 145.2 | | | | | | | |
| 2500 | 88.8 | 89.6 | 90.6 | 92.9 | 94.7 | 95.6 | 97.5 | 100.1 | 104.6 | 105.4 | 107.1 | 110.3 | 108.3 | 144.9 | | | | | | | |
| 3150 | 89.2 | 90.0 | 91.1 | 92.6 | 94.4 | 95.5 | 97.7 | 101.1 | 104.6 | 105.4 | 107.6 | 110.0 | 107.3 | 144.1 | | | | | | | |
| 4000 | 88.5 | 88.8 | 90.6 | 92.1 | 93.4 | 95.3 | 97.4 | 100.9 | 103.8 | 104.9 | 106.3 | 108.5 | 105.1 | 143.6 | | | | | | | |
| 5000 | 87.4 | 89.4 | 90.7 | 92.5 | 93.8 | 95.7 | 97.6 | 100.7 | 103.2 | 103.8 | 106.3 | 107.7 | 105.2 | 143.7 | | | | | | | |
| 6300 | 87.2 | 89.5 | 90.3 | 92.6 | 94.1 | 96.5 | 97.9 | 100.6 | 103.6 | 103.7 | 105.8 | 107.2 | 106.0 | 143.4 | | | | | | | |
| 8000 | 87.0 | 89.8 | 90.6 | 92.4 | 94.2 | 96.1 | 98.5 | 100.9 | 103.1 | 103.2 | 105.4 | 107.1 | 106.1 | 143.7 | | | | | | | |
| 10000 | 85.9 | 91.0 | 91.3 | 92.6 | 94.1 | 95.2 | 97.1 | 100.3 | 102.6 | 102.7 | 104.4 | 106.7 | 105.2 | 143.4 | | | | | | | |
| 12500 | 84.8 | 91.8 | 92.6 | 93.2 | 93.8 | 95.8 | 98.1 | 100.9 | 102.7 | 102.7 | 104.5 | 106.7 | 103.8 | 142.2 | | | | | | | |
| 16000 | 82.6 | 89.6 | 90.8 | 93.2 | 94.0 | 93.1 | 94.8 | 96.7 | 99.8 | 98.8 | 101.1 | 102.9 | 102.3 | 141.7 | | | | | | | |
| 20000 | 79.5 | 85.6 | 87.9 | 90.3 | 92.8 | 92.2 | 93.2 | 92.5 | 95.9 | 95.2 | 97.3 | 98.2 | 97.6 | 139.2 | | | | | | | |
| 25000 | 76.3 | 83.6 | 84.0 | 86.8 | 89.3 | 89.5 | 90.2 | 89.3 | 93.2 | 91.3 | 95.9 | 94.4 | 94.8 | 137.8 | | | | | | | |
| 31500 | 73.3 | 80.7 | 83.1 | 85.3 | 86.5 | 86.8 | 87.5 | 88.5 | 90.0 | 88.9 | 92.3 | 92.9 | 91.7 | 137.4 | | | | | | | |
| 40000 | 67.7 | 75.8 | 79.4 | 81.4 | 81.2 | 81.8 | 82.5 | 84.0 | 85.6 | 85.4 | 88.5 | 89.4 | 87.4 | 136.4 | | | | | | | |
| 50000 | 60.7 | 68.4 | 73.5 | 74.9 | 74.0 | 75.1 | 75.5 | 77.3 | 78.8 | 78.7 | 83.1 | 83.1 | 81.2 | 134.3 | | | | | | | |
| 63000 | 54.6 | 61.3 | 67.6 | 68.1 | 66.9 | 68.3 | 68.2 | 69.4 | 72.1 | 71.4 | 77.0 | 77.2 | 74.5 | 134.0 | | | | | | | |
| 80000 | 49.7 | 55.7 | 64.8 | 63.3 | 62.0 | 63.1 | 63.0 | 61.5 | 66.6 | 65.0 | 72.1 | 70.7 | 71.3 | 138.0 | | | | | | | |
| OVERALL MEASURED | | 94.7 | 102.2 | 103.3 | 104.7 | 106.0 | 107.4 | 109.1 | 111.8 | 115.1 | 117.4 | 120.8 | 121.8 | | | | | | | | |
| OVERALL CALCULATED | | 112.5 | 114.0 | 115.1 | 116.6 | 118.1 | 119.6 | 121.4 | 124.4 | 127.8 | 129.5 | 132.3 | 134.6 | 132.8 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 346 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-109cm²(16.9in²)

293

SIZE
FULL-.33m²(53in²)

PROC. DATE - MONTH 8 DAY 26 HR. 16.7

| | FULL SIZE SOUND PRESSURE | | | | LEVELS SCALED FROM MODEL DATA | | | | 70 PERCENT REL. HUM. DAY | | | |
|--------------------|--------------------------|--------|--------|--------|-------------------------------|--------|--------|--------|--------------------------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) |
| NO EGA | 50 | 54.0 | 58.3 | 60.9 | 61.9 | 64.2 | 65.7 | 68.2 | 70.6 | 74.4 | 79.3 | 78.9 |
| SIDELINE 2400. FT. | 63 | 55.5 | 61.3 | 60.9 | 64.2 | 67.0 | 67.5 | 68.5 | 70.7 | 76.9 | 81.0 | 81.7 |
| (731.52 M) | 80 | 57.7 | 61.1 | 63.7 | 64.6 | 66.9 | 68.0 | 69.2 | 71.7 | 75.2 | 79.9 | 84.0 |
| NFA | 100 | 57.9 | 60.5 | 63.4 | 65.4 | 67.5 | 69.5 | 70.5 | 73.2 | 76.4 | 81.6 | 84.3 |
| (1. RPM) | 125 | 59.1 | 62.8 | 64.2 | 67.0 | 69.2 | 70.5 | 72.0 | 74.5 | 77.9 | 82.4 | 85.2 |
| (0. RAD/SEC) | 160 | 61.5 | 63.9 | 65.3 | 68.4 | 70.1 | 71.6 | 73.4 | 75.9 | 79.3 | 83.0 | 85.5 |
| NFK | 200 | 63.8 | 66.6 | 68.5 | 70.1 | 71.1 | 72.6 | 74.1 | 76.6 | 79.2 | 82.9 | 84.1 |
| (0. RAD/SEC) | 250 | 62.2 | 65.9 | 68.9 | 70.0 | 71.3 | 73.5 | 75.0 | 77.0 | 80.1 | 82.3 | 84.6 |
| NFD | 315 | 61.9 | 65.3 | 67.3 | 69.6 | 70.4 | 73.7 | 76.4 | 78.6 | 80.5 | 81.9 | 82.5 |
| (785. RAD/SEC) | 400 | 62.3 | 65.2 | 68.2 | 69.4 | 71.2 | 73.2 | 75.4 | 77.4 | 80.2 | 81.3 | 80.6 |
| AIRFLOW RATIO | 500 | 61.6 | 64.4 | 66.7 | 69.9 | 72.2 | 73.2 | 75.0 | 77.1 | 80.7 | 80.2 | 80.0 |
| WF/WN 5.50 | 630 | 61.4 | 64.3 | 66.7 | 69.2 | 71.5 | 72.8 | 74.8 | 77.7 | 80.2 | 79.7 | 79.1 |
| VEHICLE | 800 | 59.9 | 62.4 | 65.9 | 68.1 | 70.0 | 72.1 | 74.0 | 76.9 | 78.5 | 78.2 | 76.5 |
| CELL41 | 1000 | 57.7 | 62.1 | 65.0 | 67.8 | 69.7 | 71.8 | 73.5 | 76.1 | 77.5 | 76.5 | 74.2 |
| CONFIG | 1250 | 56.2 | 61.2 | 64.2 | 67.1 | 69.3 | 71.8 | 73.0 | 75.1 | 76.9 | 75.3 | 74.9 |
| LOC C41 ANECHO CH | 1600 | 54.2 | 60.0 | 62.7 | 65.7 | 68.2 | 70.3 | 72.5 | 74.2 | 75.2 | 73.4 | 72.7 |
| DATE 06-02-76 | 2000 | 51.0 | 59.5 | 62.0 | 64.6 | 66.9 | 68.3 | 69.9 | 72.3 | 73.2 | 71.2 | 69.5 |
| RUN CONF3HIGHFLW | 2500 | 46.9 | 57.8 | 61.2 | 63.0 | 64.2 | 65.0 | 66.8 | 68.2 | 69.4 | 66.6 | 64.9 |
| TAPE | 3150 | 39.9 | 51.7 | 55.9 | 60.3 | 62.1 | 61.5 | 62.9 | 63.8 | 64.9 | 60.9 | 58.4 |
| FAN TIP SPEED | 4000 | 29.5 | 41.7 | 47.9 | 52.7 | 56.5 | 56.3 | 56.8 | 54.9 | 55.9 | 51.3 | 47.2 |
| FT/SEC | 5000 | 22.9 | 37.1 | 41.8 | 47.3 | 51.2 | 51.9 | 52.1 | 49.8 | 51.0 | 44.8 | 42.6 |
| | 6300 | 7.7 | 24.3 | 32.4 | 38.1 | 41.3 | 42.1 | 42.3 | 41.4 | 39.4 | 32.5 | 26.7 |
| | 8000 | | 4.2 | 15.6 | 22.4 | 24.9 | 26.2 | 26.1 | 25.0 | 21.8 | 13.8 | 4.1 |
| | 10000 | | | | 1.9 | 4.1 | 3.4 | | | | | |
| | 12500 | | | | | | | | | | | |
| OVERALL CALCULATED | 72.2 | 75.7 | 78.1 | 80.2 | 82.1 | 83.9 | 85.5 | 87.8 | 90.6 | 92.4 | 94.4 | 94.1 |
| PND8 | 76.8 | 82.2 | 85.3 | 87.7 | 89.8 | 91.3 | 93.1 | 95.0 | 96.9 | 97.2 | 97.8 | 98.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 346 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 26 HR. 12.4
F. 70 PERCENT REL. HUM. DAY - JENOTS

| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PBL |
| FREQ. | (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| - 3 | 347 | 12.2m(40ft.) ARC | MODEL-109cm ² (16.9in ²) |

| | 40. | 50. | 60. | 76. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|------------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|------|------|-------|
| FREQ. | (.0.70) | (.0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 86.1 | 83.9 | 90.2 | 90.5 | 92.3 | 92.9 | 96.0 | 97.5 | 100.7 | 106.0 | 111.2 | 113.1 | 113.9 | | | 153.7 |
| RDG. NO. 0. | 63 | 88.0 | 91.0 | 90.0 | 92.3 | 94.6 | 95.5 | 96.9 | 98.6 | 103.3 | 109.1 | 113.5 | 116.5 | 116.0 | | | 161.3 |
| RADIAL 150 FT. | 80 | 90.5 | 91.3 | 92.8 | 93.3 | 94.7 | 96.0 | 97.2 | 99.8 | 106.0 | 112.1 | 116.3 | 117.5 | 116.3 | | | 163.0 |
| (46. M) | 100 | 91.9 | 91.6 | 93.1 | 93.9 | 95.5 | 97.4 | 98.3 | 101.2 | 107.4 | 114.7 | 118.2 | 118.8 | 117.1 | | | 164.6 |
| VEHICLE CELL41 | 125 | 92.9 | 94.0 | 93.7 | 95.5 | 97.4 | 98.2 | 100.4 | 103.0 | 109.0 | 116.5 | 119.5 | 119.7 | 117.7 | | | 165.9 |
| CONFIG AC42 | 160 | 93.5 | 95.2 | 95.7 | 97.3 | 98.1 | 99.7 | 101.6 | 104.8 | 110.5 | 117.8 | 120.8 | 120.5 | 118.7 | | | 167.3 |
| LOC C41 ANECH CH | 200 | 99.0 | 100.6 | 100.3 | 100.4 | 103.0 | 103.1 | 102.7 | 105.4 | 110.8 | 117.7 | 120.4 | 120.0 | 119.3 | | | 166.9 |
| DATE 06-02-76 | 250 | 97.9 | 93.7 | 100.7 | 105.7 | 101.3 | 102.9 | 104.0 | 107.0 | 112.2 | 117.2 | 120.2 | 121.4 | 119.7 | | | 167.3 |
| RUN CONF3HIGHFLW | 315 | 98.0 | 98.0 | 98.0 | 99.6 | 100.2 | 102.5 | 103.9 | 106.6 | 112.3 | 116.6 | 120.1 | 119.8 | 116.1 | | | 167.0 |
| TAPE X03470 | 400 | 99.0 | 99.3 | 100.1 | 100.1 | 101.0 | 102.6 | 104.5 | 107.4 | 112.6 | 116.2 | 120.1 | 119.8 | 116.1 | | | 166.4 |
| BAR 29.4 HG | 500 | 98.7 | 98.4 | 99.7 | 100.5 | 102.1 | 102.4 | 104.6 | 107.7 | 112.7 | 115.3 | 119.0 | 118.2 | 113.9 | | | 165.3 |
| (99347. N/H2) | 630 | 100.2 | 100.7 | 100.2 | 100.5 | 102.1 | 102.9 | 105.1 | 108.2 | 113.2 | 115.6 | 118.8 | 116.4 | 112.2 | | | 165.0 |
| TAMB 64. DEG F | 800 | 102.5 | 102.0 | 101.8 | 100.6 | 100.9 | 102.8 | 104.9 | 108.3 | 112.3 | 115.9 | 116.6 | 114.7 | 110.0 | | | 164.1 |
| (291. DEG K) | 1000 | 103.1 | 105.2 | 103.7 | 102.5 | 101.8 | 103.4 | 105.0 | 108.7 | 112.4 | 115.0 | 115.5 | 113.9 | 109.7 | | | 163.7 |
| TWET 61. DEG F | 1250 | 100.5 | 103.8 | 104.4 | 103.9 | 104.0 | 104.1 | 106.0 | 108.6 | 112.4 | 115.0 | 115.2 | 113.1 | 109.6 | | | 163.6 |
| (289. DEG K) | 1600 | 99.4 | 101.3 | 101.8 | 103.8 | 105.2 | 105.0 | 106.7 | 108.8 | 111.8 | 115.0 | 113.9 | 112.3 | 109.3 | | | 163.3 |
| HACT13.05 GM/H3 | 2000 | 97.6 | 101.2 | 101.0 | 102.8 | 105.8 | 104.9 | 106.1 | 108.5 | 111.5 | 113.7 | 112.8 | 111.2 | 108.7 | | | 162.6 |
| FREQ. SHIFT | 2500 | 95.8 | 100.3 | 99.7 | 101.4 | 103.5 | 104.6 | 105.4 | 106.9 | 109.7 | 111.9 | 111.0 | 110.1 | 107.6 | | | 161.2 |
| JET | 3150 | 93.9 | 98.9 | 99.1 | 101.3 | 103.3 | 103.7 | 105.1 | 106.8 | 109.9 | 110.4 | 110.0 | 109.2 | 106.9 | | | 160.8 |
| DIAMETER RATIO | 4000 | 91.6 | 96.6 | 98.0 | 99.6 | 102.9 | 102.2 | 103.5 | 103.8 | 107.0 | 107.7 | 106.6 | 105.8 | 102.9</ | | | |

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------|---|
| 3 | 347 | 45.7m (150ft.) ARC | FULL - 33m ² (513in ²) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE

12.2m(40ft.) ARC

MOGL-109cm²(16.9in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | PROC. DATE - MONTH 8 DAY 26 HR. 16.7 | | | | HUM. DAY - JENOTS | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | INLET IN DEGREES (AND RADIANS) | | | | INLET IN DEGREES (AND RADIANS) | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 90. 100. 110. 120. 130. 140. 150. 160. | | | | 90. 100. 110. 120. 130. 140. 150. 160. | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 40. 50. 60. 70. 80. | | | | 40. 50. 60. 70. 80. | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | FREQ. (0.75)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | | | | FREQ. (0.75)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 50 86.9 90.4 91.7 92.0 93.3 95.2 97.8 99.2 102.2 107.5 113.7 115.6 116.2 | | | | 50 86.9 90.4 91.7 92.0 93.3 95.2 97.8 99.2 102.2 107.5 113.7 115.6 116.2 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 63 89.2 93.0 91.5 93.6 96.1 97.3 98.4 103.6 104.5 110.8 116.3 118.2 118.5 | | | | 63 89.2 93.0 91.5 93.6 96.1 97.3 98.4 103.6 104.5 110.8 116.3 118.2 118.5 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 80 91.5 93.0 94.5 95.1 96.7 97.5 98.9 101.6 106.8 114.1 119.8 120.3 118.8 | | | | 80 91.5 93.0 94.5 95.1 96.7 97.5 98.9 101.6 106.8 114.1 119.8 120.3 118.8 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 100 92.3 92.9 94.4 95.7 96.5 98.4 100.5 102.4 106.1 116.7 121.2 121.1 119.1 | | | | 100 92.3 92.9 94.4 95.7 96.5 98.4 100.5 102.4 106.1 116.7 121.2 121.1 119.1 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 125 93.9 95.0 95.5 96.8 98.1 99.7 102.1 104.8 110.7 118.0 122.3 122.2 120.7 | | | | 125 93.9 95.0 95.5 96.8 98.1 99.7 102.1 104.8 110.7 118.0 122.3 122.2 120.7 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 160 96.5 96.7 97.5 98.8 99.6 101.5 103.4 106.3 112.2 119.3 124.0 123.0 120.7 | | | | 160 96.5 96.7 97.5 98.8 99.6 101.5 103.4 106.3 112.2 119.3 124.0 123.0 120.7 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 200 100.0 101.6 101.3 102.1 102.5 103.8 105.0 107.4 112.1 119.7 124.9 122.8 120.8 | | | | 200 100.0 101.6 101.3 102.1 102.5 103.8 105.0 107.4 112.1 119.7 124.9 122.8 120.8 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 250 99.1 101.9 102.9 102.5 103.8 105.4 106.5 109.0 113.9 119.2 124.4 124.1 120.9 | | | | 250 99.1 101.9 102.9 102.5 103.8 105.4 106.5 109.0 113.9 119.2 124.4 124.1 120.9 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 315 99.2 100.8 100.5 101.1 102.7 104.8 105.9 108.8 114.5 116.9 125.1 123.5 119.3 | | | | 315 99.2 100.8 100.5 101.1 102.7 104.8 105.9 108.8 114.5 116.9 125.1 123.5 119.3 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 400 103.8 102.3 102.6 102.1 103.0 104.6 107.0 113.1 114.8 116.4 124.6 121.3 116.3 | | | | 400 103.8 102.3 102.6 102.1 103.0 104.6 107.0 113.1 114.8 116.4 124.6 121.3 116.3 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 500 105.2 104.7 104.7 104.2 104.3 104.9 106.8 109.7 115.2 118.3 123.2 119.4 114.4 | | | | 500 105.2 104.7 104.7 104.2 104.3 104.9 106.8 109.7 115.2 118.3 123.2 119.4 114.4 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 630 104.2 104.9 105.7 105.7 105.8 105.9 107.8 111.0 115.7 118.8 122.3 117.9 113.7 | | | | 630 104.2 104.9 105.7 105.7 105.8 105.9 107.8 111.0 115.7 118.8 122.3 117.9 113.7 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 800 102.0 103.0 104.1 104.8 105.9 106.8 107.7 110.8 115.1 118.9 120.3 116.5 111.5 | | | | 800 102.0 103.0 104.1 104.8 105.9 106.8 107.7 110.8 115.1 118.9 120.3 116.5 111.5 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 1000 101.6 102.9 103.7 105.0 105.8 107.4 108.0 111.2 113.9 118.0 119.5 115.4 110.7 | | | | 1000 101.6 102.9 103.7 105.0 105.8 107.4 108.0 111.2 113.9 118.0 119.5 115.4 110.7 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 1250 100.8 103.6 103.9 104.4 106.2 107.8 109.5 110.9 114.4 117.2 118.4 114.8 111.1 | | | | 1250 100.8 103.6 103.9 104.4 106.2 107.8 109.5 110.9 114.4 117.2 118.4 114.8 111.1 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 1600 100.7 102.8 103.3 104.6 106.4 108.0 109.4 111.6 113.8 117.0 117.6 113.3 109.8 | | | | 1600 100.7 102.8 103.3 104.6 106.4 108.0 109.4 111.6 113.8 117.0 117.6 113.3 109.8 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 2000 97.3 103.4 103.5 105.0 107.1 108.9 109.1 111.5 114.0 115.7 115.8 112.4 109.9 | | | | 2000 97.3 103.4 103.5 105.0 107.1 108.9 109.1 111.5 114.0 115.7 115.8 112.4 109.9 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 2500 97.3 101.5 102.9 104.4 106.4 108.8 107.8 109.9 112.2 113.8 114.2 111.1 108.3 | | | | 2500 97.3 101.5 102.9 104.4 106.4 108.8 107.8 109.9 112.2 113.8 114.2 111.1 108.3 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 3150 96.4 101.2 101.8 104.0 105.8 106.4 107.9 109.0 112.1 112.6 113.4 110.0 107.7 | | | | 3150 96.4 101.2 101.8 104.0 105.8 106.4 107.9 109.0 112.1 112.6 113.4 110.0 107.7 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 4000 94.3 98.6 100.4 102.1 105.3 104.7 106.4 106.5 109.2 109.9 109.8 106.0 105.6 | | | | 4000 94.3 98.6 100.4 102.1 105.3 104.7 106.4 106.5 109.2 109.9 109.8 106.0 105.6 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 5000 92.6 98.1 99.0 100.6 102.5 102.8 103.3 104.3 106.0 107.4 108.6 109.9 103.7 103.3 | | | | 5000 92.6 98.1 99.0 100.6 102.5 102.8 103.3 104.3 106.0 107.4 108.6 109.9 103.7 103.3 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 6300 92.2 97.2 98.6 100.6 102.4 102.3 102.3 104.3 106.6 107.4 108.9 104.8 102.3 | | | | 6300 92.2 97.2 98.6 100.6 102.4 102.3 102.3 104.3 106.6 107.4 108.9 104.8 102.3 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 8000 90.4 94.9 98.0 99.0 100.1 99.6 100.4 103.1 104.7 108.8 108.1 102.5 99.8 | | | | 8000 90.4 94.9 98.0 99.0 100.1 99.6 100.4 103.1 104.7 108.8 108.1 102.5 99.8 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 10000 87.7 92.2 95.9 96.5 95.9 96.9 97.2 100.5 101.9 106.1 107.2 99.5 95.9 | | | | 10000 87.7 92.2 95.9 96.5 95.9 96.9 97.2 100.5 101.9 106.1 107.2 99.5 95.9 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 12500 87.5 90.9 95.9 94.9 94.2 94.9 95.5 97.7 101.4 105.9 108.7 98.0 94.3 | | | | 12500 87.5 90.9 95.9 94.9 94.2 94.9 95.5 97.7 101.4 105.9 108.7 98.0 94.3 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | 16000 90.6 93.6 98.9 97.1 95.8 97.0 96.8 99.6 102.9 109.8 111.4 97.3 98.9 | | | | 16000 90.6 93.6 98.9 97.1 95.8 97.0 96.8 99.6 102.9 109.8 111.4 97.3 98.9 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | OVERALL CALCULATED 113.4 114.7 115.4 116.2 117.5 118.3 119.8 122.1 126.1 130.3 134.4 132.6 130.0 | | | | OVERALL CALCULATED 113.4 114.7 115.4 116.2 117.5 118.3 119.8 122.1 126.1 130.3 134.4 132.6 130.0 | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | PND8 122.9 126.3 127.1 128.5 130.1 130.8 132.1 136.0 137.3 139.9 142.1 139.5 136.4 | | | | PND8 122.9 126.3 127.1 128.5 130.1 130.8 132.1 136.0 137.3 139.9 142.1 139.5 136.4 | | | |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION *3* TEST POINT *348* ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|---|--|--|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|----|----|
| ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| | | FREQ. (3.70)(0.87)(1.65)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| NO EGA | | 50 | 58.7 | 63.8 | 66.1 | 67.2 | 68.9 | 70.9 | 73.4 | 74.4 | 76.6 | 80.9 | 85.5 | 85.2 | 82.3 | | |
| SIDELINE 2400. FT. | | 63 | 61.0 | 66.3 | 65.9 | 68.7 | 71.7 | 73.0 | 74.0 | 75.7 | 78.9 | 84.2 | 88.0 | 87.7 | 84.5 | | |
| (731.52 M) | | 80 | 63.2 | 66.3 | 68.9 | 70.2 | 72.2 | 73.2 | 74.4 | 76.7 | 81.2 | 87.4 | 91.5 | 89.6 | 84.6 | | |
| NFA | | 100 | 63.9 | 66.0 | 68.7 | 70.7 | 72.0 | 74.0 | 76.0 | 77.4 | 82.4 | 89.9 | 92.7 | 90.3 | 84.7 | | |
| 1. RPM | | 125 | 65.4 | 68.0 | 69.7 | 71.7 | 73.5 | 75.2 | 77.5 | 79.7 | 84.9 | 91.1 | 93.7 | 91.2 | 85.3 | | |
| (0. RAD/SEC) | | 150 | 67.7 | 69.7 | 71.6 | 73.6 | 74.9 | 76.9 | 78.6 | 81.1 | 86.3 | 92.2 | 95.3 | 91.8 | 85.8 | | |
| NFK | | 200 | 71.1 | 74.3 | 75.2 | 76.8 | 77.6 | 78.1 | 80.1 | 82.1 | 86.0 | 92.4 | 95.9 | 91.3 | 85.4 | | |
| (0. RAD/SEC) | | 250 | 69.9 | 76.4 | 76.6 | 77.0 | 76.8 | 80.5 | 81.5 | 83.5 | 87.6 | 91.8 | 95.2 | 92.4 | 85.0 | | |
| NFD 7500. RPM | | 315 | 69.7 | 73.0 | 74.0 | 75.4 | 77.4 | 79.7 | 80.7 | 83.1 | 86.0 | 91.1 | 95.5 | 91.3 | 82.8 | | |
| (785. RAD/SEC) | | 400 | 73.8 | 74.2 | 75.7 | 76.1 | 77.4 | 79.2 | 81.4 | 84.1 | 88.0 | 90.3 | 94.6 | 88.5 | 79.0 | | |
| AIRFLOW RATIO | | 500 | 74.6 | 76.1 | 77.5 | 77.9 | 78.5 | 79.2 | 81.0 | 83.4 | 88.0 | 89.7 | 92.7 | 85.9 | 76.1 | | |
| WF/M 5.50 | | 630 | 72.9 | 75.8 | 76.0 | 78.9 | 79.5 | 79.8 | 81.5 | 84.2 | 88.0 | 89.7 | 91.1 | 83.6 | 74.0 | | |
| VEHICLE | | 800 | 69.9 | 73.1 | 75.7 | 77.4 | 79.0 | 80.1 | 80.8 | 83.4 | 86.7 | 89.0 | 88.2 | 81.0 | 70.1 | | |
| CELL41 | | 1000 | 68.4 | 72.1 | 74.5 | 76.8 | 78.2 | 80.0 | 80.5 | 83.1 | 84.8 | 87.3 | 86.3 | 78.5 | 67.2 | | |
| CONFIG NC42 | | 1250 | 66.2 | 71.7 | 73.7 | 75.3 | 77.8 | 79.6 | 81.0 | 81.8 | 84.2 | 85.3 | 83.9 | 76.1 | 65.0 | | |
| LOC C41 ANECH CH | | 1600 | 64.2 | 69.2 | 71.7 | 74.2 | 76.7 | 78.6 | 79.7 | 81.2 | 82.2 | 83.4 | 81.2 | 72.1 | 60.0 | | |
| DATE 06-02-76 | | 2000 | 60.5 | 68.0 | 70.0 | 73.1 | 75.9 | 76.0 | 77.9 | 79.6 | 80.7 | 80.2 | 77.0 | 68.2 | 55.7 | | |
| RUN CONF3HIGHFLW | | 2500 | 55.1 | 63.3 | 67.2 | 70.2 | 73.1 | 73.8 | 74.5 | 75.7 | 76.4 | 75.6 | 72.1 | 62.5 | 47.6 | | |
| TAPE X0348C | | 3150 | 48.9 | 58.4 | 62.2 | 66.2 | 69.1 | 70.0 | 71.1 | 71.2 | 72.4 | 69.8 | 65.9 | 54.4 | 36.7 | | |
| FAN TIP SPEED | | 4000 | 38.7 | 49.1 | 54.8 | 58.9 | 63.5 | 63.2 | 64.6 | 63.3 | 63.6 | 60.5 | 56.2 | 39.9 | 19.1 | | |
| FT/SEC | | 5000 | 32.3 | 44.8 | 50.0 | 54.2 | 57.7 | 58.6 | 58.4 | 57.9 | 58.9 | 55.2 | 49.6 | 31.6 | 7.8 | | |
| | | 6300 | 18.1 | 32.4 | 39.6 | 45.0 | 48.7 | 49.3 | 48.7 | 48.8 | 47.5 | 42.6 | 34.8 | 14.8 | | | |
| | | 8000 | | 23.5 | 29.3 | 33.0 | 33.3 | 33.2 | 33.4 | 30.2 | 26.4 | | | | | | |
| | | 10000 | | 12.5 | 10.0 | 12.2 | 11.3 | 11.0 | | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 16000 | 81.6 | 84.5 | 86.3 | 87.7 | 89.2 | 90.5 | 92.0 | 94.1 | 97.8 | 101.6 | 104.5 | 100.7 | 94.4 | | |
| PNDB | | | 87.4 | 90.9 | 93.1 | 95.5 | 97.8 | 98.8 | 100.1 | 101.9 | 104.3 | 106.5 | 108.7 | 103.7 | 95.7 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 3 | 348 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in ²) |

| FREQ. | 40. | | | | 50. | | | | 60. | | | | 70. | | | | 80. | | | | 90. | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | 0. | | | | 10. | | | | 20. | | | | 30. | | | | 40. | | | | 50. | | | | 60. | | | | 70. | | | | 80. | | | | 90. | | | | 100. | | | | 110. | | | | 120. | | | | 130. | | | | 140. | | | | 150. | | | | 160. | | | | 170. | | | | 180. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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| | (0.70) | | | | (0.87) | | | | (1.05) | | | | (1.22) | | | | (1.40) | | | | (1.57) | | | | (1.75) | | | | (1.92) | | | | (2.09) | | | | (2.27) | | | | (2.44) | | | | (2.62) | | | | (2.79) | | | | (2.96) | | | | (3.14) | | | | (3.32) | | | | (3.49) | | | | (3.67) | | | | (3.85) | | | | (4.03) | | | | (4.21) | | | | (4.39) | | | | (4.57) | | | | (4.75) | | | | (4.93) | | | | (5.11) | | | | (5.29) | | | | (5.47) | | | | (5.65) | | | | (5.83) | | | | (6.01) | | | | (6.19) | | | | (6.37) | | | | (6.55) | | | | (6.73) | | | | (6.91) | | | | (7.09) | | | | (7.27) | | | | (7.45) | | | | (7.63) | | | | (7.81) | | | | (7.99) | | | | (8.17) | | | | (8.35) | | | | (8.53) | | | | (8.71) | | | | (8.89) | | | | (9.07) | | | | (9.25) | | | | (9.43) | | | | (9.61) | | | | (9.79) | | | | (9.97) | | | | (10.15) | | | | (10.33) | | | | (10.51) | | | | (10.69) | | | | (10.87) | | | | (11.05) | | | | (11.23) | | | | (11.41) | | | | (11.59) | | | | (11.77) | | | | (11.95) | | | | (12.13) | | | | (12.31) | | | | (12.49) | | | | (12.67) | | | | (12.85) | | | | (13.03) | | | | (13.21) | | | | (13.39) | | | | (13.57) | | | | (13.75) | | | | (13.93) | | | | (14.11) | | | | (14.29) | | | | (14.47) | | | | (14.65) | | | | (14.83) | | | | (15.01) | | | | (15.19) | | | | (15.37) | | | | (15.55) | | | | (15.73) | | | | (15.91) | | | | (16.09) | | | | (16.27) | | | | (16.45) | | | | (16.63) | | | | (16.81) | | | | (16.99) | | | | (17.17) | | | | (17.35) | | | | (17.53) | | | | (17.71) | | | | (17.89) | | | | (18.07) | | | | (18.25) | | | | (18.43) | | | | (18.61) | | | | (18.79) | | | | (18.97) | | | | (19.15) | | | | (19.33) | | | | (19.51) | | | | (19.69) | | | | (19.87) | | | | (20.05) | | | | (20.23) | | | | (20.41) | | | | (20.59) | | | | (20.77) | | | | (20.95) | | | | (21.13) | | | | (21.31) | | | | (21.49) | | | | (21.67) | | | | (21.85) | | | | (22.03) | | | | (22.21) | | | | (22.39) | | | | (22.57) | | | | (22.75) | | | | (22.93) | | | | (23.11) | | | | (23.29) | | | | (23.47) | | | | (23.65) | | | | (23.83) | | | | (24.01) | | | | (24.19) | | | | (24.37) | | | | (24.55) | | | | (24.73) | | | | (24.91) | | | | (25.09) | | | | (25.27) | | | | (25.45) | | | | (25.63) | | | | (25.81) | | | | (25.99) | | | | (26.17) | | | | (26.35) | | | | (26.53) | | | | (26.71) | | | | (26.89) | | | | (27.07) | | | | (27.25) | | | | (27.43) | | | | (27.61) | | | | (27.79) | | | | (27.97) | | | | (28.15) | | | | (28.33) | | | | (28.51) | | | | (28.69) | | | | (28.87) | | | | (29.05) | | | | (29.23) | | | | (29.41) | | | | (29.59) | | | | (29.77) | | | | (29.95) | | | | (30.13) | | | | (30.31) | | | | (30.49) | | | | (30.67) | | | | (30.85) | | | | (31.03) | | | | (31.21) | | | | (31.39) | | | | (31.57) | | | | (31.75) | | | | (31.93) | | | | (32.11) | | | | (32.29) | | | | (32.47) | | | | (32.65) | | | | (32.83) | | | | (33.01) | | | | (33.19) | | | | (33.37) | | | | (33.55) | | | | (33.73) | | | | (33.91) | | | | (34.09) | | | | (34.27) | | | | (34.45) | | | | (34.63) | | | | (34.81) | | | | (34.99) | | | | (35.17) | | | | (35.35) | | | | (35.53) | | | | (35.71) | | | | (35.89) | | | | (36.07) | | | | (36.25) | | | | (36.43) | | | | (36.61) | | | | (36.79) | | | | (36.97) | | | | (37.15) | | | | (37.33) | | | | (37.51) | | | | (37.69) | | | | (37.87) | | | | (38.05) | | | | (38.23) | | | | (38.41) | | | | (38.59) | | | | (38.77) | | | | (38.95) | | | | (39.13) | | | | (39.31) | | | | (39.49) | | | | (39.67) | | | | (39.85) | | | | (40.03) | | | | (40.21) | | | | (40.39) | | | | (40.57) | | | | (40.75) | | | | (40.93) | | | | (41.11) | | | | (41.29) | | | | (41.47) | | | | (41.65) | | | | (41.83) | | | | (42.01) | | | | (42.19) | | | | (42.37) | | | | (42.55) | | | | (42.73) | | | | (42.91) | | | | (43.09) | | | | (43.27) | | | | (43.45) | | | | (43.63) | | | | (43.81) | | | | (43.99) | | | | (44.17) | | | | (44.35) | | | | (44.53) | | | | (44.71) | | | | (44.89) | | | | (45.07) | | | | (45.25) | | | | (45.43) | | | | (45.61) | | | | (45.79) | | | | (45.97) | | | | (46.15) | | | | (46.33) | | | | (46.51) | | | | (46.69) | | | | (46.87) | | | | (47.05) | | | | (47.23) | | | | (47.41) | | | | (47.59) | | | | (47.77) | | | | (47.95) | | | | (48.13) | | | | (48.31) | | | | (48.49) | | | | (48.67) | | | | (48.85) | | | | (49.03) | | | | (49.21) | | | | (49.39) | | | | (49.57) | | | | (49.75) | | | | (49.93) | | | | (50.11) | | | | (50.29) | | | | (50.47) | | | | (50.65) | | | | (50.83) | | | | (51.01) | | | | (51.19) | | | | (51.37) | | | | (51.55) | | | | (51.73) | | | | (51.91) | | | | (52.09) | | | | (52.27) | | | | (52.45) | | | | (52.63) | | | | (52.81) | | | | (52.99) | | | | (53.17) | | | | (53.35) | | | | (53.53) | | | | (53.71) | | | | (53.89) | | | | (54.07) | | | | (54.25) | | | | (54.43) | | | | (54.61) | | | | (54.79) | | | | (54.97) | | | | (55.15) | | | | (55.33) | | | | (55.51) | | | | (55.69) | | | | (55.87) | | | | (56.05) | | | | (56.23) | | | | (56.41) | | | | (56.59) | | | | (56.77) | | | | (56.95) | | | | (57.13) | | | | (57.31) | | | | (57.49) | | | | (57.67) | | | | (57.85) | | | | (58.03) | | | | (58.21) | | | | (58.39) | | | | (58.57) | | | | (58.75) | | | | (58.93) | | | | (59.11) | | | | (59.29) | | | | (59.47) | | | | (59.65) | | | | (59.83) | | | | (60.01) | | | | (60.19) | | | | (60.37) | | | | (60.55) | | | | (60.73) | | | | (60.91) | | | | (61.09) | | | | (61.27) | | | | (61.45) | | | | (61.63) | | | | (61.81) | | | | (61.99) | | | | (62.17) | | | | (62.35) | | | | (62.53) | | | | (62.71) | | | | (62.89) | | | | (63.07) | | | | (63.25) | | | | (63.43) | | | | (63.61) | | | | (63.79) | | | | (63.97) | | | | (64.15) | | | | (64.33) | | | | (64.51) | | | | (64.69) | | | | (64.87) | | | | (65.05) | | | | (65.23) | | | | (65.41) | | | | (65.59) | | | | (65.77) | | | | (65.95) | | | | (66.13) | | | | (66.31) | | | | (66.49) | | | | (66.67) | | | | (66.85) | | | | (67.03) | | | | (67.21) | | | | (67.39) | | | | (67.57) | | | | (67.75) | | | | (67.93) | | | | (68.11) | | | | (68.29) | | | | (68.47) | | | | (68.65) | | | | (68.83) | | | | (69.01) | | | | (69.19) | | | | (69.37) | | | | (69.55) | | | | (69.73) | | | | (69.91) | | | | (70.09) | | | | (70.27) | | | | (70.45) | | | | (70.63) | | | | (70.81) | | | | (70.99) | | | | (71.17) | | | | (71.35) | | | | (71.53) | | | | (71.71) | | | | (71.89) | | | | (72.07) | | | | (72.25) | | | | (72.43) | | | | (72.61) | | | | (72.79) | | | | (72.97) | | | | (73.15) | | | | (73.33) | | | | (73.51) | | | | (73.69) | | | | (73.87) | | | | (74.05) | | | | (74.23) | | | | (74.41) | | | | (74.59) | | | | (74.77) | | | | (74.95) | | | | (75.13) | | | | (75.31) | | | | (75.49) | | | | (75.67) | | | | (75.85) | | | | (76.03) | | | | (76.21) | | | | (76.39) | | | | (76.57) | | | | (76.75) | | | | (76.93) | | | | (77.11) | | | | (77.29) | | | | (77.47) | | | | (77.65) | | | | (77.83) | | | | (78.01) | | | | (78.19) | | | | (78.37) | | | | (78.55) | | | | (78.73) | | | | (78.91) | | | | (79.09) | | | | (79.27) | | | | (79.45) | | | | (79.63) | | | | (79.81) | | | | (79.99) | | | | (80.17) | | | | (80.35) | | | | (80.53) | | | | (80.71) | | | | (80.89) | | | | (81.07) | | | | (81.25) | | | | (81.43) | | | | (81.61) | | | | (81.79) | | | | (81.97) | | | | (82.15) | | | | (82.33) | | | | (82.51) | | | | (82.69) | | | | (82.87) | | | | (83.05) | | | | (83.23) | | | | (83.41) | | | | (83.59) | | | | (83.77) | | | | (83.95) | | | | (84.13) | | | | (84.31) | | | | (84.49) | | | | (84.67) | | | | (84.85) | | | | (85.03) | | | | (85.21) | | | | (85.39) | | | | (85.57) | | | | (85.75) | | | | (85.93) | | | | (86.11) | | | | (86.29) | | | | (86.47) | | | | (86.65) | | | | (86.83) | | | | (87.01) | | | | (87.19) | | | | (87.37) | | | | (87.55) | | | | (87.73) | | | | (87.91) | | | | (88.09) | | | | (88.27) | | | | (88.45) | | | | (88.63) | | | | (88.81) | | | | (88.99) | | | | (89.17) | | | | (89.35) | | | | (89.53) | | | | (89.71) | | | | (89.89) | | | | (90.07) | | | | (90.25) | | | | (90.43) | | | | (90.61) | | | | (90.79) | | | | (90.97) | | | | (91.15) | | | | (91.33) | | | | (91.51) | | | | (91.69) | | | | (91.87) | | | | (92.05) | | | | (92.23) | | | | (92.41) | | | | (92.59) | | | | (92.77) | | | | (92.95) | | | | (93.13) | | | | (93.31) | | | | (93.49) | | | | (93.67) | | | | (93.85) | | | | (94.03) | | | | (94.21) | | | | (94.39) | | | | (94.57) | | | | (94.75) | | | | (94.93) | | | | (95.11) | | | | (95.29) | | | | (95.47) | | | | (95.65) | | | | (95.83) | | | | (96.01) | | | | (96.19) | | | | (96.37) | | | | (96.55) | | | | (96.73) | | | | (96.91) | | | | (97.09) | | | | (97.27) | | | | (97.45) | | | | (97.63) | | | | (97.81) | | | | (97.99) | | | | (98.17) | | | | (98.35) | | | | (98.53) | | | | (98.71) | | | | (98.89) | | | | (99.07) | | | | (99.25) | | | | (99.43) | | | | (99.61) | | | | (99.79) | | | | (99.97) | | | | (100.15) | | | | (100.33) | | | | (100.51) | | | | (100.69) | | | | (100.87) | | | | (101.05) | | | | (101.23) | | | | (101.41) | | | | (101.59) | | | | (101.77) | | | | (101.95) | | | | (102.13) | | | | (102.31) | | | | (102.49) | | | | (102.67) | | | | (102.85) | | | | (103.03) | | | | (103.21) | | | | (103.39) | | | | (103.57) | | | | (103.75) | | | | (103.93) | | | | (104.11) | | | | (104.29) | | | | (104.47) | | | | (104.65) | | | | (104.83) | | | | (105.01) | | | | (105.19) | | | | (105.37) | | | | (105.55) | | | | (105.73) | | | | (105.91) | | | | (106.09) | | | | (106.27) | | | | (106.45) | | | | (106.63) | | | | (106.81) | | | | (106.99) | | | | (107.17) | | | | (107.35) | | | | (107.53) | | | | (107.71) | | | | (107.89) | | | | (108.07) | | | | (108.25) | | | | (108.43) | | | | (108.61) | | | | (108.79) | | | | (108.97) | | | | (109.15) | | | | (109.33) | | | | (109.51) | | | | (109.69) | | | | (109.87) | | | | (110.05) | | | | (110.23) | | | | (110.41) | | | | (110.59) | | | | (110.77) | | | | (110.95) | | | | (111.13) | | | | (111.31) | | | | (111.49) | | | | (111.67) | | | | (111.85) | | | | (112.03) | | | | (112.21) | | | | (112.39) | | | | (112.57) | | | | (112.75) | | | | (112.93) | | | | (113.11) | | | | (113.29) | | | | (113.47) | | | | (113.65) | | | | (113.83) | | | | (114.01) | | | | (114.19) | | | | (114.37) | | | | (114.55) | | | | (114.73) | | | | (114.91) | | | | (115.09) | | | | (115.27) | | | | (115.45) | | | | (115.63) | | | | (115.81) | | | | (115.99) | | | | (116.17) | | | | (116.35) | | | | (116.53) | | | | (116.71) | | | | (116.89) | | | | (117.07) | | | | (117.25) | | | | (117.43) | | | | (117.61) | | | | (117.79) | | | | (117.97) | | | | (118.15) | | | | (118.33) | | | | (118.51) | | | | (118.69) | | | | (118.87) | | | | (119.05) | | | | (119.23) | | | | (119.41) | | | | (119.59) | | | | (119.77) | | | | (119.95) | | | | (120.13) | | | | (120.31) | | | | (120.49) | | | | (120.67) | | | | (120.85) | | | | (121.03) | | | | (121.21) | | | | (121.39) | | | | (121.57) | | | | (121.75) | | | | (121.93) | | | | (122.11) | | | | (122.29) | | | | (122.47) | | | | (122.65) | | | | (122.83) | | | | (123.01) | | | | (123.19) | | | | (123.37) | | | | (123.55) | | | | (123.73) | | | | (123.91) | | | | (124.09) | | | | (124.27) | | | | (124.45) | | | | (124.63) | | | | (124.81) | | | | (124.99) | | | | (125.17) | | | | (125.35) | | | | (125.53) | | | | (125.71) | | | | (125.89) | | | | (126.07) | | | | (126.25) | | | | (126.43) | | | | (126.61) | | | | (126.79) | | | | (126.97) | | | | (127.15) | | | | (127.33) | | | | (127.51) | | | | (127.69) | | | | (127.87) | | | | (128.05) | | | | (128.23) | | | | (128.41) | | | | (128.59) | | | | (128.77) | | | | (128.95) | | | | (129.13) | | | | (129.31) | | | | (129.49) | | | | (129.67) | | | | (129.85) | | | | (129.99) | | | | (130.17) | | | | (130.35) | | | | (130.53) | | | | (130.71) | | | | (130.89) | | | | (131.07) | | | | (131.25) | | | | (131.43) | | | | (131.61) | | | | (131.79) | | | | (131.97) | | | | (132.15) | | | | (132.33) | | | | (132.51) | | | | (132.69) | | | | (132.87) | | | | (133.05) | | | | (133.23) | | | | (133.41) | | | | (133.59) | | | | (133.77) | | | | (133.95) | | | | (134.13) | | | | (134.31) | | | | (134.49) | | | | (134.67) | | | | (134.85) | | | | (135.03) | | | | (135.21) | | | | (135.39) | | | | (135.57) | | | | (135.75) | | | | (135.93) | | | | (136.11) | | | | (136.29) | | | | (136.47) | | | | (136.65) | | | | (136.83) | | | | (137.01) | | | | (137.19) | | | | (137.37) | | | | (137.55) | | | | (137.73) | | | | (137.91) | | | | (138.09) | | | | (138.27) | | | | (138.45) | | | | (138.63) | | | | (138.81) | | | | (138.99) | | | | (139.17) | | | | (139.35) | | | | (139.53) | | | | (139.71) | | | | (139.89) | | | | (140.07) | | | | (140.25) | | | | (140.43) | | | | (140.61) | | | | (140.79) | | | | (140.97) | | | | (141.15) | | | | (141.33) | | | | (141.51) | | | | (141.69) | | | | (141.87) | | | | (142.05) | | | | (142.23) | | | | (142.41) | | | | (142.59) | | | | (142.77) | | | | (142.95) | | | | (143.13) | | | | (143.31) | | | | (143.49) | | | | (143.67) | | | | (143.85) | | | | (144.03) | | | | (144.21) | | | | (144.39) | | | | (144.57) | | | | (144.75) | | | | (144.93) | | | | (145.11) | | | | (145.29) | | | | (145.47) | | | | (145.65) | | | | (145.83) | | | | (146.01) | | | | (146.19) | | | | (146.37) | | | | (146.55) | | | | (146.73) | | | | (146.91) | | | | (147.09) | | | | (147.27) | | | | (147.45) | | | | (147.63) | | | | (147.81) | | | | (147.99) | | | | (148.17) | | | | (148.35) | | | | (148.53) | | | | (148.71) | | | | (148.89) | | | | (149.07) | | | | (149.25) | | | | (149.43) | | | | (149.61) | | | | (149.79) | | | | (149.97) | | | | (150.15) | | | | (150.33) | | | | (150.51) | | | | (150.69) | | | | (150.87) | | | | (151.05) | | | | (151.23) | | | | (151.41) | | | | (151.59) | | | | (151.77) | | | | (151.95) | | | | (152.13) | | | | (152.31) | | | | (152.49) | | | | (152.67) | | | | (152.85) | | | | (153.03) | | | | (153.21) | | | | (153.39) | | | | (153.57) | | | | (153.75) | | | | (153.93) | | | | (154.11) | | | | (154.29) | | | | (154.47) | | | | (154.65) | | | | (154.83) | | | | (155.01) | | | | (155.19) | | | | (155.37) | | | | (155.55) | | | | (155.73) | | | | (155.91) | | | | (156.09) | | | | (156.27) | | | | (156.45) | | | | (156.63) | | | | (156.81) | | | | (156.99) | | | | (157.17) | | | | (157.35) | | | | (157.53) | | | | (157.71) | | | | (157.89) | | | | (158.07) | | | | (158.25) | | | | (158.43) | | | | (158.61) | | | | (158.79) | | | | (158.97) | | | | (159.15) | | | | (159.33) | | | | (159.51) | | | | (159.69) | | | | (159.87) | | | | (160.05) | | | | (160.23) | | | | (160.41) | | | | (160.59) | | | | (160.77) | | | | (160.95) | | | | (161.13) | | | | (161.31) | | | | (161.49) | | | | (161.67) | | | | (161.85) | | | | (162.03) | | | | (162.21) | | | | (162.39) | | | | (162.57) | | | | (162.75) | | | | (162.93) | | | | (163.11) | | | | (163.29) | | | | (163.47) | | | | (163. | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 3 | 3107 | 12.2m(40ft.) ARC | MODEL-109cm ² (16.9in ²) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE

FULL-33m²(53in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| 50 | 56.0 | 59.3 | 61.0 | 62.4 | 63.7 | 65.7 | 68.7 | 69.4 | 71.6 | 75.6 | 79.0 | 82.0 | 85.0 |
| 63 | 54.5 | 59.8 | 61.7 | 64.5 | 66.5 | 67.7 | 69.2 | 71.5 | 74.4 | 78.4 | 80.8 | 82.0 | 75.0 |
| 80 | 58.7 | 61.8 | 64.2 | 65.4 | 66.7 | 68.7 | 70.7 | 72.7 | 76.4 | 82.4 | 84.2 | 83.6 | 78.1 |
| 100 | 59.9 | 61.8 | 64.7 | 65.7 | 67.0 | 70.2 | 71.2 | 73.7 | 77.9 | 84.6 | 86.0 | 85.3 | 79.5 |
| 125 | 60.9 | 63.5 | 64.9 | 67.2 | 69.0 | 71.2 | 73.0 | 75.2 | 79.2 | 85.1 | 87.2 | 86.0 | 79.8 |
| 160 | 62.7 | 64.9 | 66.6 | 68.9 | 70.1 | 72.9 | 73.9 | 77.1 | 80.8 | 86.2 | 87.6 | 86.3 | 80.8 |
| 200 | 65.1 | 67.3 | 69.5 | 70.3 | 71.1 | 73.3 | 74.8 | 77.5 | 81.0 | 85.6 | 86.7 | 85.1 | 79.7 |
| NFK (1. RPM | 250 | 64.2 | 67.2 | 69.6 | 71.0 | 74.3 | 75.0 | 78.5 | 82.1 | 85.0 | 85.5 | 84.8 | 78.5 |
| NFD (0. RAD/SEC | 315 | 64.2 | 67.0 | 68.0 | 69.6 | 71.2 | 74.7 | 75.4 | 78.1 | 82.0 | 83.6 | 84.8 | 77.5 |
| (785. RPM | 400 | 64.0 | 67.0 | 69.0 | 70.1 | 70.9 | 73.9 | 75.9 | 78.6 | 82.0 | 84.3 | 83.1 | 82.0 |
| AIRFLOW RATIO | 500 | 63.1 | 65.9 | 68.0 | 70.4 | 72.0 | 73.5 | 75.7 | 78.4 | 82.0 | 82.7 | 80.9 | 72.3 |
| WF/WM 5.50 | 630 | 62.7 | 66.1 | 68.0 | 69.7 | 71.5 | 73.1 | 75.5 | 78.7 | 82.0 | 82.4 | 78.8 | 69.5 |
| VEHICLE | 800 | 61.6 | 64.9 | 66.7 | 68.4 | 69.5 | 72.8 | 74.5 | 77.6 | 80.7 | 81.5 | 79.2 | 75.5 |
| CELL41 | 1000 | 60.4 | 63.9 | 66.0 | 68.6 | 69.2 | 72.5 | 74.2 | 77.1 | 79.5 | 79.5 | 78.3 | 73.2 |
| NC42 | 1250 | 58.7 | 64.9 | 66.7 | 68.1 | 69.5 | 72.3 | 73.8 | 76.1 | 78.7 | 78.3 | 75.9 | 71.1 |
| LOC C41 ANECH CH | 1600 | 57.2 | 65.5 | 65.5 | 67.3 | 69.0 | 71.3 | 73.0 | 75.0 | 76.3 | 77.0 | 73.4 | 68.6 |
| DATE 06-02-76 | 2000 | 55.3 | 64.5 | 65.5 | 67.1 | 68.2 | 69.3 | 70.7 | 73.6 | 74.5 | 73.5 | 70.3 | 65.5 |
| RUN CONF3VELDERN | 2500 | 50.5 | 61.9 | 62.8 | 65.0 | 66.2 | 67.1 | 68.4 | 69.5 | 70.3 | 68.9 | 65.7 | 59.3 |
| TAPE X31070 | 3150 | 43.7 | 54.8 | 58.3 | 61.6 | 63.4 | 64.4 | 64.7 | 65.6 | 65.8 | 62.5 | 59.0 | 51.3 |
| FAN TIP SPEED | 4000 | 32.8 | 44.6 | 49.8 | 53.6 | 57.4 | 58.1 | 59.0 | 57.0 | 57.0 | 54.0 | 47.9 | 36.9 |
| FT/SEC | 5000 | 25.8 | 39.5 | 43.5 | 48.5 | 51.7 | 53.1 | 54.3 | 52.2 | 52.8 | 47.8 | 42.7 | 28.1 |
| | 6300 | 10.7 | 27.1 | 34.0 | 39.7 | 42.6 | 43.7 | 44.0 | 43.4 | 41.2 | 35.1 | 27.0 | 10.2 |
| | 8000 | | 7.0 | 17.0 | 23.6 | 26.7 | 28.6 | 28.0 | 27.4 | 24.0 | 16.8 | 4.3 | |
| | 10000 | | | | 0.5 | 3.4 | 6.1 | 5.9 | 4.2 | | | | |
| | 12500 | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | |
| OVERALL CALCULATED | | 74.0 | 77.5 | 79.3 | 80.9 | 82.2 | 84.6 | 84.2 | 88.9 | 92.1 | 95.1 | 95.9 | 94.6 |
| PH08 | | 79.0 | 85.5 | 87.2 | 89.1 | 90.5 | 92.3 | 93.9 | 96.2 | 98.3 | 100.0 | 99.6 | 97.3 |
| | | | | | | | | | | | | | 90.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | | |
|---------------|------------|--------------------------|--|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
| --- | 3107 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

| PROGRAM | PROC. | DATE - MONTH | 8 DAY 26 HR. 12.5 |
|---------|--|--------------------|-------------------|
| MODEL | SOUND PRESSURE LEVELS (SP. DEG. F. 70 PERCENT REL. | HUM. DAY - JEROTS) | |
| 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 |
| 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 |
| 14 | 14 | 14 | 14 |
| 15 | 15 | 15 | 15 |
| 16 | 16 | 16 | 16 |
| 17 | 17 | 17 | 17 |
| 18 | 18 | 18 | 18 |
| 19 | 19 | 19 | 19 |
| 20 | 20 | 20 | 20 |
| 21 | 21 | 21 | 21 |
| 22 | 22 | 22 | 22 |
| 23 | 23 | 23 | 23 |
| 24 | 24 | 24 | 24 |
| 25 | 25 | 25 | 25 |
| 26 | 26 | 26 | 26 |
| 27 | 27 | 27 | 27 |
| 28 | 28 | 28 | 28 |
| 29 | 29 | 29 | 29 |
| 30 | 30 | 30 | 30 |
| 31 | 31 | 31 | 31 |
| 32 | 32 | 32 | 32 |
| 33 | 33 | 33 | 33 |
| 34 | 34 | 34 | 34 |
| 35 | 35 | 35 | 35 |
| 36 | 36 | 36 | 36 |
| 37 | 37 | 37 | 37 |
| 38 | 38 | 38 | 38 |
| 39 | 39 | 39 | 39 |
| 40 | 40 | 40 | 40 |
| 41 | 41 | 41 | 41 |
| 42 | 42 | 42 | 42 |
| 43 | 43 | 43 | 43 |
| 44 | 44 | 44 | 44 |
| 45 | 45 | 45 | 45 |
| 46 | 46 | 46 | 46 |
| 47 | 47 | 47 | 47 |
| 48 | 48 | 48 | 48 |
| 49 | 49 | 49 | 49 |
| 50 | 50 | 50 | 50 |
| 51 | 51 | 51 | 51 |
| 52 | 52 | 52 | 52 |
| 53 | 53 | 53 | 53 |
| 54 | 54 | 54 | 54 |
| 55 | 55 | 55 | 55 |
| 56 | 56 | 56 | 56 |
| 57 | 57 | 57 | 57 |
| 58 | 58 | 58 | 58 |
| 59 | 59 | 59 | 59 |
| 60 | 60 | 60 | 60 |
| 61 | 61 | 61 | 61 |
| 62 | 62 | 62 | 62 |
| 63 | 63 | 63 | 63 |
| 64 | 64 | 64 | 64 |
| 65 | 65 | 65 | 65 |
| 66 | 66 | 66 | 66 |
| 67 | 67 | 67 | 67 |
| 68 | 68 | 68 | 68 |
| 69 | 69 | 69 | 69 |
| 70 | 70 | 70 | 70 |
| 71 | 71 | 71 | 71 |
| 72 | 72 | 72 | 72 |
| 73 | 73 | 73 | 73 |
| 74 | 74 | 74 | 74 |
| 75 | 75 | 75 | 75 |
| 76 | 76 | 76 | 76 |
| 77 | 77 | 77 | 77 |
| 78 | 78 | 78 | 78 |
| 79 | 79 | 79 | 79 |
| 80 | 80 | 80 | 80 |
| 81 | 81 | 81 | 81 |
| 82 | 82 | 82 | 82 |
| 83 | 83 | 83 | 83 |
| 84 | 84 | 84 | 84 |
| 85 | 85 | 85 | 85 |
| 86 | 86 | 86 | 86 |
| 87 | 87 | 87 | 87 |
| 88 | 88 | 88 | 88 |
| 89 | 89 | 89 | 89 |
| 90 | 90 | 90 | 90 |
| 91 | 91 | 91 | 91 |
| 92 | 92 | 92 | 92 |
| 93 | 93 | 93 | 93 |
| 94 | 94 | 94 | 94 |
| 95 | 95 | 95 | 95 |
| 96 | 96 | 96 | 96 |
| 97 | 97 | 97 | 97 |
| 98 | 98 | 98 | 98 |
| 99 | 99 | 99 | 99 |
| 100 | 100 | 100 | 100 |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 3 | 3108 | 12.2m(40ft.) ARC | MODEL-109cm ² (16.9in ²) |

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| PROC. RATE - MONTH 8 DAY 26 HR. 16.7 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| 50 | 82.6 | 83.2 | 86.7 | 86.5 | 88.3 | 89.4 | 91.5 | 93.5 | 96.4 |
| 63 | 84.5 | 88.0 | 86.5 | 88.8 | 91.4 | 92.3 | 93.4 | 94.6 | 99.3 |
| 80 | 86.5 | 87.5 | 89.5 | 89.6 | 91.4 | 92.3 | 93.2 | 96.1 | 101.0 |
| 100 | 87.6 | 87.6 | 89.4 | 90.2 | 91.8 | 94.1 | 95.3 | 97.2 | 102.4 |
| 125 | 88.4 | 89.7 | 90.5 | 92.0 | 93.6 | 94.5 | 96.6 | 98.5 | 103.7 |
| 160 | 90.0 | 91.0 | 91.5 | 93.0 | 94.9 | 96.0 | 97.9 | 99.8 | 105.5 |
| 200 | 92.3 | 93.3 | 94.3 | 94.9 | 96.5 | 97.1 | 99.0 | 100.6 | 106.3 |
| 250 | 91.9 | 93.7 | 95.2 | 95.2 | 96.5 | 98.7 | 99.3 | 101.7 | 107.2 |
| 315 | 92.5 | 93.8 | 93.5 | 95.3 | 96.7 | 98.0 | 100.2 | 101.6 | 107.8 |
| 400 | 93.0 | 94.1 | 94.6 | 95.9 | 97.2 | 98.3 | 101.0 | 102.9 | 108.6 |
| 500 | 92.7 | 93.9 | 95.0 | 96.7 | 98.1 | 98.7 | 100.6 | 103.2 | 108.7 |
| 630 | 93.1 | 94.9 | 95.5 | 96.0 | 98.1 | 99.2 | 101.3 | 104.0 | 108.5 |
| 800 | 92.7 | 94.3 | 94.8 | 96.1 | 96.9 | 99.0 | 101.2 | 104.3 | 108.3 |
| 1000 | 92.6 | 95.4 | 95.2 | 97.0 | 98.0 | 100.2 | 101.8 | 104.5 | 108.7 |
| 1250 | 93.3 | 97.3 | 97.1 | 97.9 | 99.2 | 101.1 | 102.7 | 104.4 | 108.4 |
| 1600 | 94.2 | 99.3 | 97.9 | 98.6 | 99.9 | 101.3 | 103.2 | 104.4 | 108.1 |
| 2000 | 94.6 | 102.2 | 100.8 | 101.3 | 101.1 | 100.7 | 102.6 | 104.8 | 108.1 |
| 2500 | 93.3 | 101.3 | 100.5 | 101.2 | 103.0 | 101.6 | 102.4 | 103.4 | 106.5 |
| 3150 | 91.5 | 99.0 | 99.2 | 101.4 | 102.7 | 102.0 | 102.5 | 102.9 | 106.4 |
| 4000 | 88.7 | 95.5 | 96.8 | 99.0 | 102.0 | 100.8 | 101.6 | 100.4 | 103.1 |
| 5000 | 84.3 | 94.3 | 94.2 | 96.5 | 98.8 | 99.0 | 99.3 | 98.5 | 102.3 |
| 6300 | 85.7 | 93.3 | 94.7 | 96.7 | 98.2 | 97.4 | 98.4 | 99.6 | 100.9 |
| 8000 | 82.9 | 90.8 | 93.7 | 94.7 | 95.5 | 96.0 | 96.3 | 97.8 | 99.1 |
| 10000 | 80.6 | 87.0 | 90.7 | 91.8 | 91.4 | 92.4 | 92.4 | 96.0 | 97.7 |
| 12500 | 79.5 | 85.2 | 89.1 | 89.3 | 88.8 | 89.7 | 90.1 | 92.1 | 94.4 |
| 16000 | 81.8 | 86.4 | 91.8 | 90.4 | 89.4 | 90.7 | 89.9 | 92.2 | 95.3 |
| OVERALL CALCULATED | 104.9 | 109.5 | 109.5 | 110.6 | 112.0 | 112.5 | 113.8 | 115.5 | 119.9 |
| PNOB | 116.8 | 122.9 | 123.7 | 124.3 | 125.6 | 125.7 | 126.6 | 127.7 | 131.4 |
| OVERALL CALCULATED 104.9 109.5 109.5 110.6 112.0 112.5 113.8 115.5 119.9 124.6 125.7 126.6 127.7 131.4 132.8 133.8 134.9 135.4 | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **3** TEST POINT **3/08** ACOUSTIC RANGE **45.7m(150ft.) ARC** SIZE **FULL-.33m²(513in²)**

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | |
|--|--|---|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. (C.70)(0.87)(1.05)(1.22)(1.47)(1.75)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.38)(3.61)(3.85)(4.09)(4.35)(4.62)(4.90)(5.19)(5.49)(5.80)(6.13)(6.47)(6.82)(7.18)(7.55)(7.94)(8.34)(8.76)(9.20)(9.66)(10.14)(10.64)(11.16)(11.70)(12.26)(12.84)(13.44)(14.06)(14.70)(15.36)(16.04)(16.74)(17.46)(18.20)(18.96)(19.74)(20.54)(21.36)(22.20)(23.06)(23.94)(24.84)(25.76)(26.70)(27.66)(28.64)(29.64)(30.66)(31.70)(32.76)(33.84)(34.94)(36.06)(37.20)(38.36)(39.54)(40.74)(41.96)(43.20)(44.46)(45.74)(47.04)(48.36)(49.70)(51.06)(52.44)(53.84)(55.26)(56.70)(58.16)(59.64)(61.14)(62.66)(64.20)(65.76)(67.34)(68.94)(70.56)(72.20)(73.86)(75.54)(77.24)(78.96)(80.70)(82.46)(84.24)(86.04)(87.86)(89.70)(91.56)(93.44)(95.34)(97.26)(99.20)(101.16)(103.14)(105.14)(107.16)(109.20)(111.26)(113.34)(115.44)(117.56)(119.70)(121.86)(124.04)(126.24)(128.46)(130.70)(132.96)(135.24)(137.54)(139.86)(142.20)(144.56)(146.94)(149.34)(151.76)(154.20)(156.64)(159.10)(161.56)(164.04)(166.54)(169.06)(171.60)(174.16)(176.74)(179.34)(181.96)(184.60)(187.26)(189.94)(192.64)(195.36)(198.10)(200.86)(203.64)(206.44)(209.26)(212.10)(214.96)(217.84)(220.74)(223.66)(226.60)(229.56)(232.54)(235.54)(238.56)(241.60)(244.66)(247.74)(250.84)(253.96)(257.10)(260.26)(263.44)(266.64)(269.86)(273.10)(276.36)(279.64)(282.94)(286.26)(289.60)(292.96)(296.34)(299.74)(303.16)(306.60)(310.06)(313.54)(317.04)(320.56)(324.10)(327.66)(331.24)(334.84)(338.46)(342.10)(345.76)(349.44)(353.14)(356.86)(360.60)(364.36)(368.14)(371.94)(375.76)(379.60)(383.46)(387.34)(391.24)(395.16)(399.10)(403.06)(407.04)(411.04)(415.06)(419.10)(423.16)(427.24)(431.34)(435.46)(439.60)(443.76)(447.94)(452.14)(456.36)(460.60)(464.86)(469.14)(473.44)(477.76)(482.10)(486.46)(490.84)(495.24)(499.66)(504.10)(508.56)(513.04)(517.54)(522.06)(526.60)(531.16)(535.74)(540.34)(544.96)(549.60)(554.26)(558.94)(563.64)(568.36)(573.10)(577.86)(582.64)(587.44)(592.26)(597.10)(601.96)(606.84)(611.74)(616.66)(621.60)(626.56)(631.54)(636.54)(641.56)(646.60)(651.66)(656.74)(661.86)(666.94)(672.06)(677.20)(682.36)(687.54)(692.74)(697.96)(703.20)(708.46)(713.74)(719.04)(724.36)(729.70)(735.06)(740.44)(745.84)(751.26)(756.70)(762.16)(767.64)(773.14)(778.66)(784.20)(789.76)(795.34)(800.94)(806.56)(812.20)(817.86)(823.54)(829.24)(834.96)(840.70)(846.46)(852.24)(858.04)(863.86)(869.70)(875.56)(881.44)(887.34)(893.26)(899.20)(905.16)(911.14)(917.14)(923.16)(929.20)(935.26)(941.34)(947.44)(953.56)(959.70)(965.86)(972.04)(978.24)(984.46)(990.70)(996.96)(1003.24)(1009.54)(1015.86)(1022.20)(1028.56)(1034.94)(1041.34)(1047.76)(1054.20)(1060.66)(1067.14)(1073.64)(1080.16)(1086.70)(1093.26)(1099.84)(1106.44)(1113.06)(1119.70)(1126.36)(1133.04)(1139.74)(1146.46)(1153.20)(1159.96)(1166.74)(1173.54)(1180.36)(1187.20)(1194.06)(1200.94)(1207.84)(1214.76)(1221.70)(1228.66)(1235.64)(1242.64)(1249.66)(1256.70)(1263.76)(1270.84)(1277.94)(1285.06)(1292.20)(1299.36)(1306.54)(1313.74)(1320.96)(1328.20)(1335.46)(1342.74)(1350.04)(1357.36)(1364.70)(1372.06)(1379.44)(1386.84)(1394.26)(1401.70)(1409.16)(1416.64)(1424.14)(1431.66)(1439.20)(1446.76)(1454.34)(1461.94)(1469.56)(1477.20)(1484.86)(1492.54)(1500.24)(1507.96)(1515.70)(1523.46)(1531.24)(1539.04)(1546.86)(1554.70)(1562.56)(1570.44)(1578.34)(1586.26)(1594.20)(1602.16)(1610.14)(1618.14)(1626.16)(1634.20)(1642.26)(1650.34)(1658.44)(1666.56)(1674.70)(1682.86)(1691.04)(1699.24)(1707.46)(1715.70)(1723.96)(1732.24)(1740.54)(1748.86)(1757.20)(1765.56)(1773.94)(1782.34)(1790.76)(1799.20)(1807.64)(1816.10)(1824.56)(1833.04)(1841.54)(1850.06)(1858.60)(1867.16)(1875.74)(1884.34)(1892.96)(1901.60)(1910.26)(1918.94)(1927.64)(1936.36)(1945.10)(1953.86)(1962.64)(1971.44)(1980.26)(1989.10)(1997.96)(2006.84)(2015.74)(2024.66)(2033.60)(2042.56)(2051.54)(2060.54)(2069.56)(2078.60)(2087.66)(2096.74)(2105.84)(2114.96)(2124.10)(2133.26)(2142.44)(2151.64)(2160.86)(2170.10)(2179.36)(2188.64)(2197.94)(2207.26)(2216.60)(2225.96)(2235.34)(2244.74)(2254.16)(2263.60)(2273.06)(2282.54)(2292.04)(2301.56)(2311.10)(2320.66)(2330.24)(2339.84)(2349.46)(2359.10)(2368.76)(2378.44)(2388.14)(2397.86)(2407.60)(2417.36)(2427.14)(2436.94)(2446.76)(2456.60)(2466.46)(2476.34)(2486.24)(2496.16)(2506.10)(2516.06)(2526.04)(2536.04)(2546.06)(2556.10)(2566.16)(2576.24)(2586.34)(2596.44)(2606.56)(2616.70)(2626.86)(2637.04)(2647.24)(2657.46)(2667.70)(2677.96)(2688.24)(2698.54)(2708.86)(2719.20)(2729.56)(2739.94)(2750.34)(2760.76)(2771.20)(2781.66)(2792.14)(2802.64)(2813.16)(2823.70)(2834.26)(2844.84)(2855.44)(2866.06)(2876.70)(2887.36)(2898.04)(2908.74)(2919.46)(2930.20)(2940.96)(2951.74)(2962.54)(2973.36)(2984.20)(2995.06)(3005.94)(3016.84)(3027.76)(3038.70)(3049.66)(3060.64)(3071.64)(3082.66)(3093.70)(3104.76)(3115.84)(3126.94)(3138.06)(3149.20)(3160.36)(3171.54)(3182.74)(3193.96)(3205.20)(3216.46)(3227.74)(3239.04)(3250.36)(3261.70)(3273.06)(3284.44)(3295.84)(3307.26)(3318.70)(3330.16)(3341.64)(3353.14)(3364.66)(3376.20)(3387.76)(3399.34)(3410.94)(3422.56)(3434.20)(3445.86)(3457.54)(3469.24)(3480.96)(3492.70)(3504.46)(3516.24)(3528.04)(3539.86)(3551.70)(3563.56)(3575.44)(3587.34)(3599.26)(3611.20)(3623.16)(3635.14)(3647.14)(3659.16)(3671.20)(3683.26)(3695.34)(3707.44)(3719.56)(3731.70)(3743.86)(3756.04)(3768.24)(3780.46)(3792.70)(3804.96)(3817.24)(3829.54)(3841.86)(3854.20)(3866.56)(3878.94)(3891.34)(3903.76)(3916.20)(3928.66)(3941.14)(3953.64)(3966.16)(3978.70)(3991.26)(4003.84)(4016.44)(4029.06)(4041.70)(4054.36)(4067.04)(4079.74)(4092.46)(4105.20)(4117.96)(4130.74)(4143.54)(4156.36)(4169.20)(4182.06)(4194.94)(4207.84)(4220.76)(4233.70)(4246.66)(4259.64)(4272.64)(4285.66)(4298.70)(4311.76)(4324.84)(4337.94)(4351.06)(4364.20)(4377.36)(4390.54)(4403.74)(4416.96)(4430.20)(4443.46)(4456.74)(4470.04)(4483.36)(4496.70)(4510.06)(4523.44)(4536.84)(4550.26)(4563.70)(4577.14)(4590.60)(4604.06)(4617.54)(4631.04)(4644.56)(4658.10)(4671.66)(4685.24)(4698.84)(4712.46)(4726.10)(4739.76)(4753.44)(4767.14)(4780.86)(4794.60)(4808.36)(4822.14)(4835.94)(4849.76)(4863.60)(4877.46)(4891.34)(4905.24)(4919.16)(4933.10)(4947.06)(4961.04)(4975.04)(4989.06)(5003.10)(5017.16)(5031.24)(5045.34)(5059.46)(5073.60)(5087.76)(5101.94)(5116.14)(5130.36)(5144.60)(5158.86)(5173.14)(5187.44)(5201.76)(5216.10)(5230.46)(5244.84)(5259.24)(5273.66)(5288.10)(5302.56)(5317.04)(5331.54)(5346.06)(5360.60)(5375.16)(5389.74)(5404.34)(5418.96)(5433.60)(5448.26)(5462.94)(5477.64)(5492.36)(5507.10)(5521.86)(5536.64)(5551.44)(5566.26)(5581.10)(5595.96)(5610.84)(5625.74)(5640.66)(5655.60)(5670.56)(5685.54)(5700.54)(5715.56)(5730.60)(5745.66)(5760.74)(5775.84)(5790.96)(5806.10)(5821.26)(5836.44)(5851.64)(5866.86)(5882.10)(5897.36)(5912.64)(5927.94)(5943.26)(5958.60)(5973.96)(5989.34)(6004.74)(6020.16)(6035.60)(6051.06)(6066.54)(6082.04)(6097.56)(6113.10)(6128.66)(6144.24)(6159.84)(6175.46)(6191.10)(6206.76)(6222.44)(6238.14)(6253.86)(6269.60)(6285.36)(6301.14)(6316.94)(6332.76)(6348.60)(6364.46)(6380.34)(6396.24)(6412.16)(6428.10)(6444.06)(6459.94)(6475.86)(6491.80)(6507.76)(6523.74)(6539.74)(6555.76)(6571.80)(6587.86)(6603.94)(6620.04)(6636.16)(6652.30)(6668.46)(6684.64)(6700.84)(6717.06)(6733.30)(6749.56)(6765.84)(6782.14)(6798.46)(6814.80)(6831.16)(6847.54)(6863.94)(6880.36)(6896.80)(6913.26)(6929.74)(6946.24)(6962.76)(6979.30)(6995.86)(7012.44)(7029.04)(7045.66)(7062.30)(7078.96)(7095.64)(7112.34)(7129.06)(7145.80)(7162.56)(7179.34)(7196.14)(7212.96)(7229.80)(7246.66)(7263.54)(7280.44)(7297.36)(7314.30)(7331.26)(7348.24)(7365.24)(7382.26)(7399.30)(7416.36)(7433.44)(7450.54)(7467.66)(7484.80)(7501.96)(7519.14)(7536.34)(7553.56)(7570.80)(7588.06)(7605.34)(7622.64)(7640.00)(7657.36)(7674.74)(7692.14)(7709.56)(7727.00)(7744.46)(7761.94)(7779.44)(7796.96)(7814.50)(7832.06)(7849.64)(7867.24)(7884.86)(7902.50)(7920.16)(7937.84)(7955.54)(7973.26)(7991.00)(8008.76)(8026.54)(8044.34)(8062.16)(8080.00)(8097.86)(8115.74)(8133.64)(8151.56)(8169.50)(8187.46)(8205.44)(8223.44)(8241.46)(8259.50)(8277.56)(8295.64)(8313.74)(8331.86)(8349.94)(8368.06)(8386.20)(8404.36)(8422.54)(8440.74)(8458.96)(8477.20)(8495.46)(8513.74)(8532.04)(8550.36)(8568.70)(8587.06)(8605.44)(8623.84)(8642.26)(8660.70)(8679.16)(8697.64)(8716.14)(8734.66)(8753.20)(8771.76)(8790.34)(8808.94)(8827.56)(8846.20)(8864.86)(8883.54)(8902.24)(8920.96)(8939.70)(8958.46)(8977.24)(8996.04)(9014.86)(9033.70)(9052.56)(9071.44)(9090.34)(9109.26)(9128.20)(9147.16)(9166.14)(9185.14)(9204.16)(9223.20)(9242.26)(9261.34)(9280.44)(9299.56)(9318.70)(9337.86)(9357.04)(9376.24)(9395.46)(9414.70)(9433.96)(9453.24)(9472.54)(9491.86)(9511.20)(9530.56)(9549.94)(9569.34)(9588.76)(9608.20)(9627.66)(9647.14)(9666.64)(9686.16)(9705.70)(9725.26)(9744.84)(9764.44)(9784.06)(9803.70)(9823.36)(9843.04)(9862.74)(9882.46)(9902.20)(9921.96)(9941.74)(9961.54)(9981.36)(10001.20)(10021.06)(10040.94)(10060.84)(10080.76)(10100.70)(10120.66)(10140.64)(10160.64)(10180.66)(10200.70)(10220.76)(10240.84)(10260.94)(10281.06)(10301.20)(10321.36)(10341.54)(10361.74)(10381.96)(10402.20)(10422.46)(10442.74)(10463.04)(10483.36)(10503.70)(10524.06)(10544.44)(10564.84)(10585.26)(10605.70)(10626.16)(10646.64)(10667.14)(10687.66)(10708.20)(10728.76)(10749.34)(10769.94)(10790.56)(10811.20)(10831.86)(10852.54)(10873.24)(10893.96)(10914.70)(10935.46)(10956.24)(10977.04)(10997.86)(11018.70)(11039.56)(11060.44)(11081.34)(11102.26)(11123.20)(11144.16)(11165.14)(11186.14)(11207.16)(11228.20)(11249.26)(11270.34)(11291.44)(11312.56)(11333.70)(11354.86)(11376.04)(11397.24)(11418.46)(11439.70)(11460.96)(11482.24)(11503.54)(11524.86)(11546.20)(11567.56)(11588.94)(11610.34)(11631.76)(11653.20)(11674.66)(11696.14)(11717.64)(11739.16)(11760.70)(11782.26)(11803.84)(11825.44)(11847.06)(11868.70)(11890.36)(11912.04)(11933.74)(11955.46)(11977.20)(11998.96)(12020.74)(12042.54)(12064.36)(12086.20)(12108.06)(12129.94)(12151.84)(12173.76)(12195.70)(12217.66)(12239.64)(12261.64)(12283.66)(12305.70)(12327.76)(12349.84)(12371.94)(12394.06)(12416.20)(12438.36)(12460.54)(12482.74)(12504.96)(12527.20)(12549.46)(12571.74)(12594.04)(12616.36)(12638.70)(12661.06)(12683.44)(12705.84)(12728.26)(12750.70)(12773.16)(12795.64)(12818.14)(12840.66)(12863.20)(12885.76)(12908.34)(12930.94)(12953.56)(12976.20)(12998.86)(13021.54)(13044.24)(13066.96)(13089.70)(13112.46)(13135.24)(13158.04)(13180.86)(13203.70)(13226.56)(13249.44)(13272.34)(13295.26)(13318.20)(13341.16)(13364.14)(13387.14)(13410.16)(13433.20)(13456.26)(13479.34)(13502.44)(13525.56)(13548.70)(13571.86)(13595.04)(13618.24)(13641.46)(13664.70)(13687.96)(13711.24)(13734.54)(13757.86)(13781.20)(13804.56)(13827.94)(13851.34)(13874.76)(13898.20)(13921.66)(13945.14)(13968.64)(13992.16)(14015.70)(14039.26)(14062.84)(14086.44)(14110.06)(14133.70)(14157.36)(14181.04)(14204.74)(14228.46)(14252.20)(14275.96)(14299.74)(14323.54)(14347.36)(14371.20)(14395.06)(14418.94)(14442.84)(14466.76)(14490.70)(14514.66)(14538.64)(14562.64)(14586.66)(14610.70)(14634.76)(14658.84)(14682.94)(14707.06)(14731.20)(14755.36)(14779.54)(14803.74)(14827.96)(14852.20)(14876.46)(14900.74)(14925.04)(14949.36)(14973.70)(14998.06)(15022.44)(15046.84)(15071.26)(15095.70)(15120.16)(15144.64)(15169.14)(15193.66)(15218.20)(15242.76)(15267.34)(15291.94)(15316.56)(15341.20)(15365.86)(15390.54)(15415.24)(15440.00)(15464.76)(15489.54)(15514.34)(15539.16)(15564.00)(15588.86)(15613.74)(15638.64)(15663.56)(15688.50)(15713.46)(15738.44)(15763.44)(15788.46)(15813.50)(15838.56)(15863.64)(15888.74)(15913.86)(15939.00)(15964.16)(15989.34)(16014.54)(16039.76)(16065.00)(16090.26)(16115.54)(16140.84)(16166.16)(16191.50)(16216.86)(16242.24)(16267.64)(16293.06)(16318.50)(16343.96)(16369.44)(16394.94)(16420.46)(16446.00)(16471.56)(16497.14)(16522.74)(16548.36)(16574.00)(16600.66)(16627.34)(16654.04)(16680.76)(16707.50)(16734.26)(16761.04)(16787.84)(16814.66)(16841.50)(16868.36)(16895.24)(16922.14)(16949.06)(16976.00)(17002.96)(17029.94)(17056.94)(17083.96)(17111.00)(17138.06)(17165.14)(17192.24)(17219.36)(17246.50)(17273.66)(17300.84)(17328.04)(17355.26)(17382.50)(17409.76)(17437.04)(17464.34)(17491.66)(17519.00)(17546.36)(17573.74)(17601.14)(17628.56)(17656.00)(17683.46)(17710.94)(17738.44)(17765.96)(17793.50)(17821.06)(17848.64)(17876.24)(17903.86)(17931.50)(17959.16)(17986.84)(18014.54)(18042.26)(18070.00)(18097.76)(18125.54)(18153.34)(18181.16)(18209.00)(18236.86)(18264.74)(18292.64)(18320.56)(18348.50)(18376.46)(18404.44)(18432.44)(18460.46)(18488.50)(18516.56)(18544.64)(18572.74)(18600.86)(18629.00)(18657.16)(18685.34)(18713.54)(18741.76)(18770.00)(18798.26)(18826.54)(18854.84)(18883.16)(18911.50)(18939.86)(18968.24)(18996.64)(19025.06)(19053.50)(19081.96)(19110.44)(19138.94)(19167.46)(19196.00)(19224.56)(19253.14)(19281.74)(19310.36)(19339.00)(19367.66)(19396.34)(19425.04)(19453.76)(19482.50)(19511.26)(19540.04)(19568.84)(19597.66)(19626.50)(19655.36)(19684.24)(19713.14)(19742.06)(19771.00)(19800.00)(19829.04)(19858.10)(19887.20)(19916.34)(19945.50)(19974.70)(20003.94)(20033.20)(20062.50)(20091.84)(20121.20)(20150.60)(20180.04)(20209.50)(20239.00)(20268.54)(20298.10)(20327.70)(20357.34)(20387.00)(20416.70)(20446.44)(20476.20)(20506.00)(20535.84)(20565.70)(20595.60)(20625.54)(20655.50)(20685.50)(20715.54)(20745.60)(20775.70)(20805.84)(20836.00)(20866.20)(20896.44)(20926.70)(20957.00)(20987.34)(21017.70)(21048.10)(21078.54)(21109.00)(21139.50)(21170.04)(21200.60)(21231.20)(21261.84)(21292.50)(21323.20)(21353.94)(21384.70)(21415.50)(21446.34)(21477.20)(21508.10)(21539.04)(21570.00)(21601.00)(21632.04)(21663.10)(21694.20)(21725.34)(21756.50)(21787.70)(21818.94)(21850.20)(21881.50)(21912.84)(21944.20)(21975.60)(22007.04)(22038.50)(22070.00)(22101.54 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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION
3

ACOUSTIC RANGE
12.2m(40ft.) ARC

SIZE

MODEL-109cm²(16.9in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | |
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| PROC. DATE - MONTH 8 DAY 26 HR. 16.7 | | | | | | | | | | | | | | |
| HUM. DAY - JENOTS) | | | | | | | | | | | | | | |
| DEG. F, 70 PERCENT REL. | | | | | | | | | | | | | | |
| LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. | | | | | | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(2.96)(3.14)(3.32)(3.50)(3.68)(3.86)(4.04)(4.22)(4.40)(4.58)(4.76)(4.94)(5.12)(5.30)(5.48)(5.66)(5.84)(6.02)(6.20)(6.38)(6.56)(6.74)(6.92)(7.10)(7.28)(7.46)(7.64)(7.82)(8.00)(8.18)(8.36)(8.54)(8.72)(8.90)(9.08)(9.26)(9.44)(9.62)(9.80)(9.98)(10.16)(10.34)(10.52)(10.70)(10.88)(11.06)(11.24)(11.42)(11.60)(11.78)(11.96)(12.14)(12.32)(12.50)(12.68)(12.86)(13.04)(13.22)(13.40)(13.58)(13.76)(13.94)(14.12)(14.30)(14.48)(14.66)(14.84)(15.02)(15.20)(15.38)(15.56)(15.74)(15.92)(16.10)(16.28)(16.46)(16.64)(16.82)(17.00)(17.18)(17.36)(17.54)(17.72)(17.90)(18.08)(18.26)(18.44)(18.62)(18.80)(18.98)(19.16)(19.34)(19.52)(19.70)(19.88)(20.06)(20.24)(20.42)(20.60)(20.78)(20.96)(21.14)(21.32)(21.50)(21.68)(21.86)(22.04)(22.22)(22.40)(22.58)(22.76)(22.94)(23.12)(23.30)(23.48)(23.66)(23.84)(24.02)(24.20)(24.38)(24.56)(24.74)(24.92)(25.10)(25.28)(25.46)(25.64)(25.82)(26.00)(26.18)(26.36)(26.54)(26.72)(26.90)(27.08)(27.26)(27.44)(27.62)(27.80)(27.98)(28.16)(28.34)(28.52)(28.70)(28.88)(29.06)(29.24)(29.42)(29.60)(29.78)(29.96)(30.14)(30.32)(30.50)(30.68)(30.86)(31.04)(31.22)(31.40)(31.58)(31.76)(31.94)(32.12)(32.30)(32.48)(32.66)(32.84)(33.02)(33.20)(33.38)(33.56)(33.74)(33.92)(34.10)(34.28)(34.46)(34.64)(34.82)(35.00)(35.18)(35.36)(35.54)(35.72)(35.90)(36.08)(36.26)(36.44)(36.62)(36.80)(36.98)(37.16)(37.34)(37.52)(37.70)(37.88)(38.06)(38.24)(38.42)(38.60)(38.78)(38.96)(39.14)(39.32)(39.50)(39.68)(39.86)(40.04)(40.22)(40.40)(40.58)(40.76)(40.94)(41.12)(41.30)(41.48)(41.66)(41.84)(42.02)(42.20)(42.38)(42.56)(42.74)(42.92)(43.10)(43.28)(43.46)(43.64)(43.82)(44.00)(44.18)(44.36)(44.54)(44.72)(44.90)(45.08)(45.26)(45.44)(45.62)(45.80)(45.98)(46.16)(46.34)(46.52)(46.70)(46.88)(47.06)(47.24)(47.42)(47.60)(47.78)(47.96)(48.14)(48.32)(48.50)(48.68)(48.86)(49.04)(49.22)(49.40)(49.58)(49.76)(49.94)(50.12)(50.30)(50.48)(50.66)(50.84)(51.02)(51.20)(51.38)(51.56)(51.74)(51.92)(52.10)(52.28)(52.46)(52.64)(52.82)(53.00)(53.18)(53.36)(53.54)(53.72)(53.90)(54.08)(54.26)(54.44)(54.62)(54.80)(54.98)(55.16)(55.34)(55.52)(55.70)(55.88)(56.06)(56.24)(56.42)(56.60)(56.78)(56.96)(57.14)(57.32)(57.50)(57.68)(57.86)(58.04)(58.22)(58.40)(58.58)(58.76)(58.94)(59.12)(59.30)(59.48)(59.66)(59.84)(60.02)(60.20)(60.38)(60.56)(60.74)(60.92)(61.10)(61.28)(61.46)(61.64)(61.82)(62.00)(62.18)(62.36)(62.54)(62.72)(62.90)(63.08)(63.26)(63.44)(63.62)(63.80)(63.98)(64.16)(64.34)(64.52)(64.70)(64.88)(65.06)(65.24)(65.42)(65.60)(65.78)(65.96)(66.14)(66.32)(66.50)(66.68)(66.86)(67.04)(67.22)(67.40)(67.58)(67.76)(67.94)(68.12)(68.30)(68.48)(68.66)(68.84)(69.02)(69.20)(69.38)(69.56)(69.74)(69.92)(70.10)(70.28)(70.46)(70.64)(70.82)(71.00)(71.18)(71.36)(71.54)(71.72)(71.90)(72.08)(72.26)(72.44)(72.62)(72.80)(72.98)(73.16)(73.34)(73.52)(73.70)(73.88)(74.06)(74.24)(74.42)(74.60)(74.78)(74.96)(75.14)(75.32)(75.50)(75.68)(75.86)(76.04)(76.22)(76.40)(76.58)(76.76)(76.94)(77.12)(77.30)(77.48)(77.66)(77.84)(78.02)(78.20)(78.38)(78.56)(78.74)(78.92)(79.10)(79.28)(79.46)(79.64)(79.82)(79.99)(80.17)(80.35)(80.53)(80.71)(80.89)(81.07)(81.25)(81.43)(81.61)(81.79)(81.97)(82.15)(82.33)(82.51)(82.69)(82.87)(83.05)(83.23)(83.41)(83.59)(83.77)(83.95)(84.13)(84.31)(84.49)(84.67)(84.85)(85.03)(85.21)(85.39)(85.57)(85.75)(85.93)(86.11)(86.29)(86.47)(86.65)(86.83)(87.01)(87.19)(87.37)(87.55)(87.73)(87.91)(88.09)(88.27)(88.45)(88.63)(88.81)(88.99)(89.17)(89.35)(89.53)(89.71)(89.89)(90.07)(90.25)(90.43)(90.61)(90.79)(90.97)(91.15)(91.33)(91.51)(91.69)(91.87)(92.05)(92.23)(92.41)(92.59)(92.77)(92.95)(93.13)(93.31)(93.49)(93.67)(93.85)(94.03)(94.21)(94.39)(94.57)(94.75)(94.93)(95.11)(95.29)(95.47)(95.65)(95.83)(96.01)(96.19)(96.37)(96.55)(96.73)(96.91)(97.09)(97.27)(97.45)(97.63)(97.81)(97.99)(98.17)(98.35)(98.53)(98.71)(98.89)(99.07)(99.25)(99.43)(99.61)(99.79)(99.97)(100.15)(100.33)(100.51)(100.69)(100.87)(101.05)(101.23)(101.41)(101.59)(101.77)(101.95)(102.13)(102.31)(102.49)(102.67)(102.85)(103.03)(103.21)(103.39)(103.57)(103.75)(103.93)(104.11)(104.29)(104.47)(104.65)(104.83)(105.01)(105.19)(105.37)(105.55)(105.73)(105.91)(106.09)(106.27)(106.45)(106.63)(106.81)(106.99)(107.17)(107.35)(107.53)(107.71)(107.89)(108.07)(108.25)(108.43)(108.61)(108.79)(108.97)(109.15)(109.33)(109.51)(109.69)(109.87)(110.05)(110.23)(110.41)(110.59)(110.77)(110.95)(111.13)(111.31)(111.49)(111.67)(111.85)(112.03)(112.21)(112.39)(112.57)(112.75)(112.93)(113.11)(113.29)(113.47)(113.65)(113.83)(114.01)(114.19)(114.37)(114.55)(114.73)(114.91)(115.09)(115.27)(115.45)(115.63)(115.81)(115.99)(116.17)(116.35)(116.53)(116.71)(116.89)(117.07)(117.25)(117.43)(117.61)(117.79)(117.97)(118.15)(118.33)(118.51)(118.69)(118.87)(119.05)(119.23)(119.41)(119.59)(119.77)(119.95)(120.13)(120.31)(120.49)(120.67)(120.85)(121.03)(121.21)(121.39)(121.57)(121.75)(121.93)(122.11)(122.29)(122.47)(122.65)(122.83)(123.01)(123.19)(123.37)(123.55)(123.73)(123.91)(124.09)(124.27)(124.45)(124.63)(124.81)(124.99)(125.17)(125.35)(125.53)(125.71)(125.89)(126.07)(126.25)(126.43)(126.61)(126.79)(126.97)(127.15)(127.33)(127.51)(127.69)(127.87)(128.05)(128.23)(128.41)(128.59)(128.77)(128.95)(129.13)(129.31)(129.49)(129.67)(129.85)(130.03)(130.21)(130.39)(130.57)(130.75)(130.93)(131.11)(131.29)(131.47)(131.65)(131.83)(132.01)(132.19)(132.37)(132.55)(132.73)(132.91)(133.09)(133.27)(133.45)(133.63)(133.81)(133.99)(134.17)(134.35)(134.53)(134.71)(134.89)(135.07)(135.25)(135.43)(135.61)(135.79)(135.97)(136.15)(136.33)(136.51)(136.69)(136.87)(137.05)(137.23)(137.41)(137.59)(137.77)(137.95)(138.13)(138.31)(138.49)(138.67)(138.85)(139.03)(139.21)(139.39)(139.57)(139.75)(139.93)(140.11)(140.29)(140.47)(140.65)(140.83)(141.01)(141.19)(141.37)(141.55)(141.73)(141.91)(142.09)(142.27)(142.45)(142.63)(142.81)(142.99)(143.17)(143.35)(143.53)(143.71)(143.89)(144.07)(144.25)(144.43)(144.61)(144.79)(144.97)(145.15)(145.33)(145.51)(145.69)(145.87)(146.05)(146.23)(146.41)(146.59)(146.77)(146.95)(147.13)(147.31)(147.49)(147.67)(147.85)(148.03)(148.21)(148.39)(148.57)(148.75)(148.93)(149.11)(149.29)(149.47)(149.65)(149.83)(150.01)(150.19)(150.37)(150.55)(150.73)(150.91)(151.09)(151.27)(151.45)(151.63)(151.81)(151.99)(152.17)(152.35)(152.53)(152.71)(152.89)(153.07)(153.25)(153.43)(153.61)(153.79)(153.97)(154.15)(154.33)(154.51)(154.69)(154.87)(155.05)(155.23)(155.41)(155.59)(155.77)(155.95)(156.13)(156.31)(156.49)(156.67)(156.85)(157.03)(157.21)(157.39)(157.57)(157.75)(157.93)(158.11)(158.29)(158.47)(158.65)(158.83)(159.01)(159.19)(159.37)(159.55)(159.73)(159.91)(160.09)(160.27)(160.45)(160.63)(160.81)(160.99)(161.17)(161.35)(161.53)(161.71)(161.89)(162.07)(162.25)(162.43)(162.61)(162.79)(162.97)(163.15)(163.33)(163.51)(163.69)(163.87)(164.05)(164.23)(164.41)(164.59)(164.77)(164.95)(165.13)(165.31)(165.49)(165.67)(165.85)(166.03)(166.21)(166.39)(166.57)(166.75)(166.93)(167.11)(167.29)(167.47)(167.65)(167.83)(168.01)(168.19)(168.37)(168.55)(168.73)(168.91)(169.09)(169.27)(169.45)(169.63)(169.81)(169.99)(170.17)(170.35)(170.53)(170.71)(170.89)(171.07)(171.25)(171.43)(171.61)(171.79)(171.97)(172.15)(172.33)(172.51)(172.69)(172.87)(173.05)(173.23)(173.41)(173.59)(173.77)(173.95)(174.13)(174.31)(174.49)(174.67)(174.85)(175.03)(175.21)(175.39)(175.57)(175.75)(175.93)(176.11)(176.29)(176.47)(176.65)(176.83)(177.01)(177.19)(177.37)(177.55)(177.73)(177.91)(178.09)(178.27)(178.45)(178.63)(178.81)(178.99)(179.17)(179.35)(179.53)(179.71)(179.89)(180.07)(180.25)(180.43)(180.61)(180.79)(180.97)(181.15)(181.33)(181.51)(181.69)(181.87)(182.05)(182.23)(182.41)(182.59)(182.77)(182.95)(183.13)(183.31)(183.49)(183.67)(183.85)(184.03)(184.21)(184.39)(184.57)(184.75)(184.93)(185.11)(185.29)(185.47)(185.65)(185.83)(186.01)(186.19)(186.37)(186.55)(186.73)(186.91)(187.09)(187.27)(187.45)(187.63)(187.81)(187.99)(188.17)(188.35)(188.53)(188.71)(188.89)(189.07)(189.25)(189.43)(189.61)(189.79)(189.97)(190.15)(190.33)(190.51)(190.69)(190.87)(191.05)(191.23)(191.41)(191.59)(191.77)(191.95)(192.13)(192.31)(192.49)(192.67)(192.85)(193.03)(193.21)(193.39)(193.57)(193.75)(193.93)(194.11)(194.29)(194.47)(194.65)(194.83)(195.01)(195.19)(195.37)(195.55)(195.73)(195.91)(196.09)(196.27)(196.45)(196.63)(196.81)(196.99)(197.17)(197.35)(197.53)(197.71)(197.89)(198.07)(198.25)(198.43)(198.61)(198.79)(198.97)(199.15)(199.33)(199.51)(199.69)(199.87)(200.05)(200.23)(200.41)(200.59)(200.77)(200.95)(201.13)(201.31)(201.49)(201.67)(201.85)(202.03)(202.21)(202.39)(202.57)(202.75)(202.93)(203.11)(203.29)(203.47)(203.65)(203.83)(204.01)(204.19)(204.37)(204.55)(204.73)(204.91)(205.09)(205.27)(205.45)(205.63)(205.81)(205.99)(206.17)(206.35)(206.53)(206.71)(206.89)(207.07)(207.25)(207.43)(207.61)(207.79)(207.97)(208.15)(208.33)(208.51)(208.69)(208.87)(209.05)(209.23)(209.41)(209.59)(209.77)(209.95)(210.13)(210.31)(210.49)(210.67)(210.85)(211.03)(211.21)(211.39)(211.57)(211.75)(211.93)(212.11)(212.29)(212.47)(212.65)(212.83)(213.01)(213.19)(213.37)(213.55)(213.73)(213.91)(214.09)(214.27)(214.45)(214.63)(214.81)(214.99)(215.17)(215.35)(215.53)(215.71)(215.89)(216.07)(216.25)(216.43)(216.61)(216.79)(216.97)(217.15)(217.33)(217.51)(217.69)(217.87)(218.05)(218.23)(218.41)(218.59)(218.77)(218.95)(219.13)(219.31)(219.49)(219.67)(219.85)(219.99)(220.17)(220.35)(220.53)(220.71)(220.89)(221.07)(221.25)(221.43)(221.61)(221.79)(221.97)(222.15)(222.33)(222.51)(222.69)(222.87)(223.05)(223.23)(223.41)(223.59)(223.77)(223.95)(224.13)(224.31)(224.49)(224.67)(224.85)(225.03)(225.21)(225.39)(225.57)(225.75)(225.93)(226.11)(226.29)(226.47)(226.65)(226.83)(227.01)(227.19)(227.37)(227.55)(227.73)(227.91)(228.09)(228.27)(228.45)(228.63)(228.81)(228.99)(229.17)(229.35)(229.53)(229.71)(229.89)(230.07)(230.25)(230.43)(230.61)(230.79)(230.97)(231.15)(231.33)(231.51)(231.69)(231.87)(232.05)(232.23)(232.41)(232.59)(232.77)(232.95)(233.13)(233.31)(233.49)(233.67)(233.85)(234.03)(234.21)(234.39)(234.57)(234.75)(234.93)(235.11)(235.29)(235.47)(235.65)(235.83)(236.01)(236.19)(236.37)(236.55)(236.73)(236.91)(237.09)(237.27)(237.45)(237.63)(237.81)(237.99)(238.17)(238.35)(238.53)(238.71)(238.89)(239.07)(239.25)(239.43)(239.61)(239.79)(239.97)(240.15)(240.33)(240.51)(240.69)(240.87)(241.05)(241.23)(241.41)(241.59)(241.77)(241.95)(242.13)(242.31)(242.49)(242.67)(242.85)(243.03)(243.21)(243.39)(243.57)(243.75)(243.93)(244.11)(244.29)(244.47)(244.65)(244.83)(245.01)(245.19)(245.37)(245.55)(245.73)(245.91)(246.09)(246.27)(246.45)(246.63)(246.81)(246.99)(247.17)(247.35)(247.53)(247.71)(247.89)(248.07)(248.25)(248.43)(248.61)(248.79)(248.97)(249.15)(249.33)(249.51)(249.69)(249.87)(250.05)(250.23)(250.41)(250.59)(250.77)(250.95)(251.13)(251.31)(251.49)(251.67)(251.85)(252.03)(252.21)(252.39)(252.57)(252.75)(252.93)(253.11)(253.29)(253.47)(253.65)(253.83)(254.01)(254.19)(254.37)(254.55)(254.73)(254.91)(255.09)(255.27)(255.45)(255.63)(255.81)(255.99)(256.17)(256.35)(256.53)(256.71)(256.89)(257.07)(257.25)(257.43)(257.61)(257.79)(257.97)(258.15)(258.33)(258.51)(258.69)(258.87)(259.05)(259.23)(259.41)(259.59)(259.77)(259.95)(260.13)(260.31)(260.49)(260.67)(260.85)(261.03)(261.21)(261.39)(261.57)(261.75)(261.93)(262.11)(262.29)(262.47)(262.65)(262.83)(263.01)(263.19)(263.37)(263.55)(263.73)(263.91)(264.09)(264.27)(264.45)(264.63)(264.81)(264.99)(265.17)(265.35)(265.53)(265.71)(265.89)(266.07)(266.25)(266.43)(266.61)(266.79)(266.97)(267.15)(267.33)(267.51)(267.69)(267.87)(268.05)(268.23)(268.41)(268.59)(268.77)(268.95)(269.13)(269.31)(269.49)(269.67)(269.85)(269.99)(270.17)(270.35)(270.53)(270.71)(270.89)(271.07)(271.25)(271.43)(271.61)(271.79)(271.97)(272.15)(272.33)(272.51)(272.69)(272.87)(273.05)(273.23)(273.41)(273.59)(273.77)(273.95)(274.13)(274.31)(274.49)(274.67)(274.85)(275.03)(275.21)(275.39)(275.57)(275.75)(275.93)(276.11)(276.29)(276.47)(276.65)(276.83)(277.01)(277.19)(277.37)(277.55)(277.73)(277.91)(278.09)(278.27)(278.45)(278.63)(278.81)(278.99)(279.17)(279.35)(279.53)(279.71)(279.89)(280.07)(280.25)(280.43)(280.61)(280.79)(280.97)(281.15)(281.33)(281.51)(281.69)(281.87)(282.05)(282.23)(282.41)(282.59)(282.77)(282.95)(283.13)(283.31)(283.49)(283.67)(283.85)(284.03)(284.21)(284.39)(284.57)(284.75)(284.93)(285.11)(285.29)(285.47)(285.65)(285.83)(286.01)(286.19)(286.37)(286.55)(286.73)(286.91)(287.09)(287.27)(287.45)(287.63)(287.81)(287.99)(288.17)(288.35)(288.53)(288.71)(288.89)(289.07)(289.25)(289.43)(289.61)(289.79)(289.97)(290.15)(290.33)(290.51)(290.69)(290.87)(291.05)(291.23)(291.41)(291.59)(291.77)(291.9 | | | | | | | | | | | | | | |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|--|------|------|------|------|------|------|------|------|------|------|------|------|
| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0.) | | | | | | | | | | | | |
| SIDELINE 2400. FT. | 50 | 55.0 | 58.8 | 60.9 | 61.9 | 63.7 | 65.6 | 67.2 | 68.7 | 71.1 | 74.4 | 78.0 | 77.7 |
| (731.52 M) | 60 | 56.2 | 61.1 | 60.4 | 64.0 | 66.7 | 67.5 | 68.2 | 70.0 | 73.4 | 76.9 | 79.8 | 80.7 |
| RFA | 80 | 57.9 | 61.1 | 63.4 | 64.7 | 66.9 | 68.0 | 69.2 | 71.4 | 74.9 | 79.1 | 83.0 | 82.1 |
| 1. RPM | 100 | 58.7 | 60.8 | 62.7 | 64.9 | 67.2 | 69.5 | 70.2 | 71.9 | 76.2 | 81.1 | 84.0 | 83.3 |
| 0. RAD/SEC | 125 | 59.6 | 62.3 | 63.9 | 66.7 | 68.7 | 70.0 | 71.2 | 73.2 | 77.4 | 81.4 | 83.7 | 82.7 |
| NFK | 150 | 60.7 | 63.7 | 65.1 | 67.6 | 69.9 | 70.9 | 72.6 | 74.6 | 78.8 | 82.0 | 83.3 | 81.5 |
| 1. RPM | 200 | 62.6 | 65.3 | 67.2 | 68.8 | 70.8 | 72.1 | 73.3 | 75.3 | 79.2 | 82.1 | 81.9 | 78.8 |
| 0. RAD/SEC | 250 | 62.4 | 64.9 | 67.9 | 69.2 | 71.0 | 72.8 | 73.8 | 75.5 | 80.6 | 82.0 | 81.0 | 79.4 |
| NFD | 315 | 62.4 | 65.5 | 66.3 | 69.4 | 70.9 | 73.7 | 74.4 | 76.4 | 81.0 | 81.9 | 80.5 | 78.0 |
| (785. RAD/SEC) | 400 | 62.3 | 65.7 | 67.2 | 69.4 | 71.4 | 72.9 | 74.7 | 76.9 | 80.7 | 81.5 | 80.6 | 77.7 |
| AIRFLOW RATIO | 500 | 61.9 | 65.1 | 67.0 | 69.6 | 72.2 | 72.7 | 74.2 | 76.9 | 81.0 | 79.7 | 76.7 | 71.6 |
| WF/WM 5.50 | 630 | 61.9 | 65.8 | 67.2 | 69.4 | 71.8 | 72.6 | 74.8 | 77.7 | 80.7 | 80.7 | 76.3 | 69.3 |
| VEHICLE | 800 | 60.6 | 64.4 | 65.7 | 66.4 | 70.0 | 72.8 | 74.5 | 76.9 | 79.4 | 80.0 | 78.5 | 74.2 |
| CELL41 | 1000 | 59.2 | 64.4 | 66.0 | 68.8 | 70.5 | 72.8 | 73.7 | 76.8 | 78.5 | 77.3 | 72.5 | 64.7 |
| CONFIG NC42 | 1250 | 58.7 | 66.4 | 66.9 | 68.6 | 70.8 | 72.6 | 74.0 | 76.1 | 77.4 | 74.9 | 70.9 | 62.7 |
| LOC C41 ANECH CH | 1600 | 57.7 | 68.3 | 66.8 | 68.2 | 70.2 | 71.6 | 73.7 | 75.2 | 76.5 | 76.4 | 72.9 | 68.1 |
| DATE 08-02-76 | 2000 | 55.3 | 68.5 | 69.0 | 69.9 | 70.2 | 70.0 | 71.2 | 73.4 | 74.0 | 73.0 | 70.1 | 65.2 |
| DRUM CONFVLOEPN | 2500 | 50.4 | 63.6 | 65.2 | 68.7 | 69.7 | 68.3 | 68.8 | 70.0 | 69.4 | 65.9 | 53.8 | 46.9 |
| TAPE X31100 | 3150 | 43.2 | 56.5 | 59.7 | 64.0 | 66.6 | 66.1 | 65.4 | 65.5 | 66.0 | 63.4 | 59.0 | 50.5 |
| FAN TIP SPEED | 4000 | 32.5 | 47.2 | 51.2 | 56.0 | 60.5 | 59.8 | 59.9 | 57.4 | 56.9 | 53.6 | 47.8 | 37.2 |
| FT/SEC | 5000 | 26.2 | 42.1 | 45.9 | 50.6 | 54.0 | 54.7 | 54.3 | 52.1 | 52.8 | 47.6 | 42.0 | 28.2 |
| | 6300 | 11.0 | 29.3 | 36.5 | 41.7 | 45.1 | 45.2 | 45.3 | 43.9 | 40.7 | 35.3 | 26.3 | 10.2 |
| | 8090 | | 9.2 | 19.9 | 25.8 | 28.9 | 30.3 | 29.7 | 28.1 | 23.9 | 16.9 | 3.9 | |
| | 10000 | | | | 2.8 | 6.0 | 7.7 | 6.5 | 5.0 | | | | |
| | 12500 | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | |
| OVERALL CALCULATED | | 72.6 | 77.3 | 78.6 | 80.8 | 82.7 | 84.0 | 85.4 | 87.6 | 90.9 | 92.4 | 92.9 | 91.2 |
| PNDB | | 78.2 | 87.4 | 88.5 | 90.8 | 92.5 | 92.6 | 93.8 | 95.5 | 97.6 | 98.1 | 96.9 | 93.8 |
| | | | | | | | | | | | | | 87.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 3/10 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 26 HR. 12.4
F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROG. DATE - MONTH 8 DAY 26 HR. 12.4
F, 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIANS)

[illegible]

| NO | EG | RDG. NO. | Q. | 80 | 63 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | 1025 | 1050 | 1075 | 1100 | 1125 | 1150 | 1175 | 1200 | 1225 | 1250 | 1275 | 1300 | 1325 | 1350 | 1375 | 1400 | 1425 | 1450 | 1475 | 1500 | 1525 | 1550 | 1575 | 1600 | 1625 | 1650 | 1675 | 1700 | 1725 | 1750 | 1775 | 1800 | 1825 | 1850 | 1875 | 1900 | 1925 | 1950 | 1975 | 2000 | 2025 | 2050 | 2075 | 2100 | 2125 | 2150 | 2175 | 2200 | 2225 | 2250 | 2275 | 2300 | 2325 | 2350 | 2375 | 2400 | 2425 | 2450 | 2475 | 2500 | 2525 | 2550 | 2575 | 2600 | 2625 | 2650 | 2675 | 2700 | 2725 | 2750 | 2775 | 2800 | 2825 | 2850 | 2875 | 2900 | 2925 | 2950 | 2975 | 3000 | 3025 | 3050 | 3075 | 3100 | 3125 | 3150 | 3175 | 3200 | 3225 | 3250 | 3275 | 3300 | 3325 | 3350 | 3375 | 3400 | 3425 | 3450 | 3475 | 3500 | 3525 | 3550 | 3575 | 3600 | 3625 | 3650 | 3675 | 3700 | 3725 | 3750 | 3775 | 3800 | 3825 | 3850 | 3875 | 3900 | 3925 | 3950 | 3975 | 4000 | 4025 | 4050 | 4075 | 4100 | 4125 | 4150 | 4175 | 4200 | 4225 | 4250 | 4275 | 4300 | 4325 | 4350 | 4375 | 4400 | 4425 | 4450 | 4475 | 4500 | 4525 | 4550 | 4575 | 4600 | 4625 | 4650 | 4675 | 4700 | 4725 | 4750 | 4775 | 4800 | 4825 | 4850 | 4875 | 4900 | 4925 | 4950 | 4975 | 5000 | 5025 | 5050 | 5075 | 5100 | 5125 | 5150 | 5175 | 5200 | 5225 | 5250 | 5275 | 5300 | 5325 | 5350 | 5375 | 5400 | 5425 | 5450 | 5475 | 5500 | 5525 | 5550 | 5575 | 5600 | 5625 | 5650 | 5675 | 5700 | 5725 | 5750 | 5775 | 5800 | 5825 | 5850 | 5875 | 5900 | 5925 | 5950 | 5975 | 6000 | 6025 | 6050 | 6075 | 6100 | 6125 | 6150 | 6175 | 6200 | 6225 | 6250 | 6275 | 6300 | 6325 | 6350 | 6375 | 6400 | 6425 | 6450 | 6475 | 6500 | 6525 | 6550 | 6575 | 6600 | 6625 | 6650 | 6675 | 6700 | 6725 | 6750 | 6775 | 6800 | 6825 | 6850 | 6875 | 6900 | 6925 | 6950 | 6975 | 7000 | 7025 | 7050 | 7075 | 7100 | 7125 | 7150 | 7175 | 7200 | 7225 | 7250 | 7275 | 7300 | 7325 | 7350 | 7375 | 7400 | 7425 | 7450 | 7475 | 7500 | 7525 | 7550 | 7575 | 7600 | 7625 | 7650 | 7675 | 7700 | 7725 | 7750 | 7775 | 7800 | 7825 | 7850 | 7875 | 7900 | 7925 | 7950 | 7975 | 8000 | 8025 | 8050 | 8075 | 8100 | 8125 | 8150 | 8175 | 8200 | 8225 | 8250 | 8275 | 8300 | 8325 | 8350 | 8375 | 8400 | 8425 | 8450 | 8475 | 8500 | 8525 | 8550 | 8575 | 8600 | 8625 | 8650 | 8675 | 8700 | 8725 | 8750 | 8775 | 8800 | 8825 | 8850 | 8875 | 8900 | 8925 | 8950 | 8975 | 9000 | 9025 | 9050 | 9075 | 9100 | 9125 | 9150 | 9175 | 9200 | 9225 | 9250 | 9275 | 9300 | 9325 | 9350 | 9375 | 9400 | 9425 | 9450 | 9475 | 9500 | 9525 | 9550 | 9575 | 9600 | 9625 | 9650 | 9675 | 9700 | 9725 | 9750 | 9775 | 9800 | 9825 | 9850 | 9875 | 9900 | 9925 | 9950 | 9975 | 10000 | 10025 | 10050 | 10075 | 10100 | 10125 | 10150 | 10175 | 10200 | 10225 | 1 |
|----|----|----------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
|----|----|----------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION

TEST POINT
3112

ACOUSTIC RANGE

SIZE

MODEL-109cm²(16.9in²)

PROGRAM
MODEL SOUND PRESSURE LEVELS (S9, DEG. F, 70 PERCENT REL.
PROC. DATE - MONTH 8 DAY 26 HR. 12.4
HUM. DAY - JENOTS)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | PWL |
|--------------|--|--------|--------|--------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | 90. | |
| (0.70)(0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) |

| RDG. NO. | G. | NO | EGA |
|--------------------|--------------|-------|------|
| RADIAL | 40. FT. | 100 | 78.9 |
| (12. M) | | 125 | 78.3 |
| VEHICLE | CELL41 | 160 | 78.9 |
| CONFIG | NC42 | 200 | 82.0 |
| LOC | C41 ANECH CH | 250 | 81.1 |
| DATE | 06-02-76 | 315 | 82.7 |
| RUN | CONF3VELDEPN | 400 | 85.2 |
| TAPE | X31130 | 500 | 85.8 |
| BAR | 29.4 HG | 630 | 86.9 |
| (99347. N/M2) | | 800 | 89.6 |
| TAMB | 64. DEG F | 1000 | 93.0 |
| (291. DEG K) | | 1250 | 92.3 |
| TWET | 61. DEG F | 1600 | 91.1 |
| (289. DEG K) | | 2000 | 92.7 |
| HACT13-05 GM/M3 | | 2500 | 91.5 |
| (.01305 KG/M3) | | 3150 | 92.2 |
| FREQ. SHIFT | | 4000 | 91.0 |
| JET | | 5000 | 90.6 |
| DIAMETER RATIO | | 6300 | 89.9 |
| DF/DM 1 | | 8000 | 90.0 |
| | | 10000 | 87.9 |
| | | 12500 | 85.5 |
| | | 16000 | 83.3 |
| | | 20000 | 80.5 |
| | | 25000 | 77.8 |
| | | 31500 | 75.3 |
| | | 40000 | 70.7 |
| | | 50000 | 65.2 |
| | | 63000 | 60.1 |
| | | 80000 | 56.7 |
| OVERALL MEASURED | | | |
| OVERALL CALCULATED | | | |
| PNOB | | | |

OVERALL MEASURED

| | | | | | | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OVERALL CALCULATED | 102.7 | 104.5 | 105.8 | 106.9 | 108.4 | 109.3 | 110.7 | 113.6 | 117.3 | 120.5 | 124.2 | 125.1 | 123.7 |
| PHDB | 115.5 | 117.0 | 117.7 | 118.7 | 120.3 | 121.4 | 122.9 | 125.9 | 129.9 | 132.4 | 135.9 | 136.5 | 134.9 |

CONFIGURATION

TEST POINT

ACOUSTIC RANGE

SIZES

MODEL-109cm²(16.9in²)

PROC. DATE - MONTH 8 DAY 26 HR. 16.7
 DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

FULL SIZE SOUND PRESSURE

LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | NO EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 50 | 53 | 84.4 | 86.9 | 88.2 | 89.0 | 89.8 | 90.9 | 93.5 | 95.2 | 98.2 | 103.5 | 109.2 | 110.4 | 111.7 | 156.3 |
| 80 | 88.5 | 89.5 | 91.3 | 91.3 | 92.9 | 94.5 | 95.2 | 97.6 | 102.3 | 109.9 | 114.6 | 115.3 | 114.3 | 114.3 | 159.1 |
| 100 | 89.1 | 89.6 | 91.1 | 91.9 | 93.5 | 95.1 | 96.8 | 98.9 | 103.6 | 112.2 | 116.4 | 116.8 | 115.1 | 115.1 | 160.9 |
| 125 | 90.2 | 91.7 | 92.2 | 93.8 | 95.1 | 96.5 | 97.9 | 100.3 | 105.7 | 112.8 | 117.3 | 117.9 | 116.0 | 116.0 | 162.6 |
| 160 | 93.0 | 92.7 | 93.5 | 95.3 | 96.1 | 97.5 | 99.4 | 102.0 | 107.2 | 113.8 | 118.5 | 119.0 | 116.7 | 116.7 | 163.5 |
| 200 | 96.3 | 97.1 | 97.3 | 97.6 | 98.2 | 99.1 | 100.5 | 102.9 | 107.6 | 113.4 | 117.4 | 118.0 | 117.3 | 117.3 | 164.6 |
| 250 | 95.6 | 96.7 | 97.4 | 97.7 | 98.4 | 99.2 | 100.2 | 101.0 | 104.0 | 108.7 | 113.2 | 113.4 | 111.7 | 111.7 | 164.1 |
| 315 | 94.5 | 95.8 | 96.0 | 97.1 | 98.4 | 100.8 | 101.2 | 104.3 | 109.0 | 112.9 | 115.8 | 115.3 | 117.0 | 117.0 | 164.3 |
| 400 | 96.0 | 96.6 | 97.3 | 97.9 | 98.7 | 100.3 | 102.2 | 105.1 | 109.3 | 111.9 | 114.9 | 117.3 | 116.1 | 116.1 | 163.8 |
| 500 | 94.9 | 95.9 | 97.0 | 98.5 | 99.8 | 100.9 | 102.1 | 105.0 | 110.0 | 111.3 | 114.5 | 116.4 | 114.2 | 114.2 | 163.0 |
| 630 | 95.7 | 96.7 | 97.0 | 98.0 | 99.5 | 100.4 | 102.6 | 105.7 | 110.0 | 111.6 | 114.8 | 114.9 | 112.7 | 112.7 | 162.4 |
| 800 | 94.5 | 95.8 | 96.5 | 97.8 | 99.2 | 100.8 | 102.4 | 105.1 | 109.8 | 110.9 | 114.3 | 113.2 | 110.0 | 110.0 | 162.1 |
| 1000 | 94.1 | 95.4 | 97.4 | 98.5 | 99.8 | 100.9 | 102.5 | 106.2 | 109.2 | 110.3 | 113.2 | 112.1 | 110.4 | 110.4 | 161.3 |
| 1250 | 93.5 | 96.3 | 97.6 | 98.4 | 100.5 | 102.1 | 103.0 | 106.1 | 109.4 | 110.0 | 113.4 | 112.1 | 110.6 | 110.6 | 160.7 |
| 1600 | 93.7 | 96.8 | 97.8 | 98.8 | 100.7 | 102.0 | 103.9 | 106.1 | 109.3 | 110.5 | 112.9 | 111.3 | 110.0 | 110.0 | 160.9 |
| 2000 | 91.8 | 97.2 | 99.5 | 100.0 | 101.3 | 101.2 | 103.1 | 105.5 | 109.0 | 109.2 | 112.1 | 110.9 | 109.2 | 109.2 | 160.8 |
| 2500 | 89.8 | 94.8 | 96.7 | 100.4 | 101.0 | 100.8 | 102.4 | 104.6 | 107.2 | 107.6 | 110.3 | 109.3 | 108.6 | 108.6 | 160.3 |
| 3150 | 88.2 | 93.2 | 96.9 | 98.8 | 101.3 | 101.2 | 101.9 | 103.3 | 107.6 | 108.4 | 109.5 | 109.0 | 107.7 | 107.7 | 159.7 |
| 4000 | 86.1 | 90.9 | 95.2 | 96.6 | 100.1 | 99.5 | 101.2 | 100.8 | 104.2 | 103.5 | 105.6 | 105.0 | 104.6 | 104.6 | 158.7 |
| 5000 | 84.7 | 90.2 | 93.6 | 95.6 | 97.6 | 97.6 | 98.6 | 98.6 | 102.8 | 101.4 | 103.2 | 102.3 | 102.6 | 102.6 | 156.2 |
| 6300 | 83.8 | 89.3 | 94.2 | 96.0 | 98.2 | 96.7 | 98.2 | 99.2 | 101.0 | 100.3 | 103.5 | 102.1 | 101.6 | 101.6 | 156.6 |
| 8000 | 81.5 | 87.0 | 92.1 | 94.4 | 95.2 | 95.0 | 96.0 | 97.2 | 98.8 | 99.2 | 103.0 | 102.1 | 101.6 | 101.6 | 154.4 |
| 10000 | 79.0 | 84.4 | 89.6 | 90.7 | 90.5 | 91.6 | 93.6 | 93.1 | 95.6 | 96.3 | 102.2 | 97.4 | 96.5 | 96.5 | 153.7 |
| 12500 | 78.4 | 82.3 | 87.9 | 88.4 | 87.6 | 88.8 | 91.7 | 91.4 | 93.4 | 95.7 | 102.0 | 95.7 | 94.7 | 94.7 | 152.4 |
| 16000 | 81.3 | 84.6 | 90.9 | 88.9 | 88.1 | 90.0 | 95.1 | 90.6 | 94.4 | 97.1 | 106.0 | 96.8 | 97.9 | 97.9 | 153.0 |
| OVERALL CALCULATED | 106.1 | 108.1 | 109.7 | 110.8 | 112.3 | 113.1 | 114.6 | 117.1 | 121.0 | 124.0 | 127.7 | 128.5 | 127.0 | 127.0 | 138.8 |
| PND8 | 115.8 | 119.5 | 122.2 | 123.6 | 125.3 | 125.6 | 126.8 | 128.7 | 132.5 | 133.6 | 136.6 | 136.6 | 135.1 | 135.1 | 175.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 3//3 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(53in²)

PROC. DATE - MONTH 3 DAY 26 HR. 16.7

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | 0. (0.) (0.) (0.) (0.) (0.) (0.) (0.) (0.) (0.) (0.) | |
|---|--|---|--|--|--|--|--|--|--|--|--|--|--|
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (2.96) (3.14) (3.32) (3.50) (3.68) (3.86) (4.04) (4.22) (4.40) (4.58) (4.76) (4.94) (5.12) (5.30) (5.48) (5.66) (5.84) (6.02) (6.20) (6.38) (6.56) (6.74) (6.92) (7.10) (7.28) (7.46) (7.64) (7.82) (8.00) (8.18) (8.36) (8.54) (8.72) (8.90) (9.08) (9.26) (9.44) (9.62) (9.80) (9.98) (10.16) (10.34) (10.52) (10.70) (10.88) (11.06) (11.24) (11.42) (11.60) (11.78) (11.96) (12.14) (12.32) (12.50) (12.68) (12.86) (13.04) (13.22) (13.40) (13.58) (13.76) (13.94) (14.12) (14.30) (14.48) (14.66) (14.84) (15.02) (15.20) (15.38) (15.56) (15.74) (15.92) (16.10) (16.28) (16.46) (16.64) (16.82) (17.00) (17.18) (17.36) (17.54) (17.72) (17.90) (18.08) (18.26) (18.44) (18.62) (18.80) (18.98) (19.16) (19.34) (19.52) (19.70) (19.88) (20.06) (20.24) (20.42) (20.60) (20.78) (20.96) (21.14) (21.32) (21.50) (21.68) (21.86) (22.04) (22.22) (22.40) (22.58) (22.76) (22.94) (23.12) (23.30) (23.48) (23.66) (23.84) (24.02) (24.20) (24.38) (24.56) (24.74) (24.92) (25.10) (25.28) (25.46) (25.64) (25.82) (26.00) (26.18) (26.36) (26.54) (26.72) (26.90) (27.08) (27.26) (27.44) (27.62) (27.80) (27.98) (28.16) (28.34) (28.52) (28.70) (28.88) (29.06) (29.24) (29.42) (29.60) (29.78) (29.96) (30.14) (30.32) (30.50) (30.68) (30.86) (31.04) (31.22) (31.40) (31.58) (31.76) (31.94) (32.12) (32.30) (32.48) (32.66) (32.84) (33.02) (33.20) (33.38) (33.56) (33.74) (33.92) (34.10) (34.28) (34.46) (34.64) (34.82) (35.00) (35.18) (35.36) (35.54) (35.72) (35.90) (36.08) (36.26) (36.44) (36.62) (36.80) (36.98) (37.16) (37.34) (37.52) (37.70) (37.88) (38.06) (38.24) (38.42) (38.60) (38.78) (38.96) (39.14) (39.32) (39.50) (39.68) (39.86) (40.04) (40.22) (40.40) (40.58) (40.76) (40.94) (41.12) (41.30) (41.48) (41.66) (41.84) (42.02) (42.20) (42.38) (42.56) (42.74) (42.92) (43.10) (43.28) (43.46) (43.64) (43.82) (44.00) (44.18) (44.36) (44.54) (44.72) (44.90) (45.08) (45.26) (45.44) (45.62) (45.80) (45.98) (46.16) (46.34) (46.52) 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ANECHOIC JET NOISE TEST FACILITY RESULTS

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ANGLES FROM INLET IN DEGREES (AND RADIANS)

| NO EGA | | FREQ. | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | |
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| RDG. NO. | 0. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| 50 | 63 | | | | | | | | | | | | | | | | | | | | |
| 80 | 100 | 77.6 | 86.4 | 84.2 | 85.7 | 87.0 | 87.4 | 87.3 | 88.7 | 89.4 | 91.5 | 95.2 | 94.4 | 97.4 | | | | | | | |
| 125 | 160 | 77.6 | 80.4 | 82.6 | 84.9 | 86.7 | 87.1 | 87.2 | 88.4 | 87.4 | 87.2 | 95.6 | 97.1 | 97.9 | | | | | | | |
| 200 | 250 | 77.9 | 79.4 | 82.9 | 83.2 | 84.0 | 84.4 | 84.8 | 86.2 | 88.4 | 93.5 | 97.4 | 98.4 | 100.4 | | | | | | | |
| 315 | 400 | 80.3 | 80.3 | 81.8 | 84.3 | 84.9 | 85.5 | 86.4 | 88.8 | 92.3 | 95.9 | 99.8 | 103.3 | 105.0 | | | | | | | |
| 500 | 630 | 79.8 | 82.6 | 83.8 | 83.4 | 85.2 | 86.3 | 88.7 | 90.6 | 93.6 | 97.9 | 103.1 | 105.3 | 106.3 | | | | | | | |
| 800 | 1000 | 81.2 | 85.2 | 83.7 | 86.0 | 88.1 | 88.7 | 89.6 | 92.0 | 95.4 | 100.5 | 105.0 | 108.6 | 108.7 | | | | | | | |
| 1250 | 1600 | 83.4 | 84.5 | 86.2 | 86.5 | 88.1 | 89.5 | 90.1 | 93.0 | 97.0 | 103.5 | 107.7 | 109.7 | 109.0 | | | | | | | |
| 2000 | 2500 | 84.0 | 84.5 | 86.0 | 86.8 | 88.3 | 90.4 | 91.4 | 93.8 | 98.3 | 105.1 | 109.1 | 110.5 | 110.0 | | | | | | | |
| 3150 | 4000 | 85.4 | 86.4 | 88.4 | 89.9 | 91.5 | 92.7 | 94.3 | 96.7 | 101.7 | 106.5 | 108.4 | 110.8 | 109.6 | | | | | | | |
| 5000 | 6300 | 86.6 | 87.7 | 88.4 | 89.9 | 91.5 | 92.7 | 94.3 | 96.7 | 101.7 | 106.5 | 108.4 | 110.8 | 109.6 | | | | | | | |
| 8000 | 10000 | 89.0 | 89.7 | 90.7 | 91.3 | 92.9 | 93.5 | 95.4 | 98.0 | 102.0 | 106.6 | 108.0 | 107.4 | 108.5 | | | | | | | |
| 12500 | 16000 | 88.5 | 89.6 | 91.3 | 91.9 | 92.9 | 93.5 | 95.9 | 98.9 | 103.3 | 107.1 | 107.6 | 108.0 | 108.1 | | | | | | | |
| 20000 | 25000 | 89.6 | 90.4 | 92.0 | 92.0 | 93.1 | 93.4 | 96.6 | 99.0 | 104.2 | 107.3 | 107.7 | 107.6 | 107.9 | | | | | | | |
| 31500 | 40000 | 90.5 | 91.0 | 92.1 | 93.4 | 95.2 | 95.8 | 97.0 | 100.3 | 104.2 | 107.3 | 108.0 | 107.9 | 107.7 | | | | | | | |
| 50000 | 63000 | 91.0 | 92.0 | 92.1 | 93.1 | 95.4 | 95.8 | 97.9 | 101.3 | 105.1 | 106.9 | 107.8 | 107.5 | 106.8 | | | | | | | |
| 80000 | 100000 | 90.3 | 91.3 | 92.1 | 92.9 | 94.4 | 96.1 | 97.9 | 101.4 | 104.8 | 106.9 | 106.6 | 106.5 | 104.8 | | | | | | | |
| 125000 | 160000 | 90.6 | 92.7 | 92.7 | 94.0 | 95.1 | 96.7 | 98.6 | 101.7 | 105.0 | 106.1 | 107.0 | 106.2 | 104.7 | | | | | | | |
| 200000 | 250000 | 91.2 | 95.5 | 94.8 | 94.6 | 96.2 | 97.8 | 99.2 | 101.6 | 104.6 | 106.2 | 106.6 | 105.5 | 104.5 | | | | | | | |
| 315000 | 400000 | 92.0 | 97.1 | 95.6 | 95.9 | 96.7 | 97.6 | 99.5 | 101.9 | 104.4 | 106.5 | 105.9 | 105.6 | 104.8 | | | | | | | |
| 500000 | 630000 | 90.9 | 98.0 | 98.1 | 97.8 | 97.4 | 96.7 | 98.4 | 101.6 | 103.8 | 105.0 | 105.6 | 105.0 | 104.2 | | | | | | | |
| 800000 | 1000000 | 88.3 | 92.6 | 93.0 | 95.7 | 97.0 | 96.9 | 97.6 | 99.9 | 102.2 | 102.8 | 103.7 | 102.8 | 102.5 | | | | | | | |
| 1250000 | 1600000 | 85.1 | 89.6 | 91.0 | 92.1 | 95.1 | 94.5 | 95.7 | 98.2 | 101.0 | 101.0 | 101.6 | 101.7 | 101.1 | | | | | | | |
| 2000000 | 2500000 | 83.1 | 89.6 | 91.0 | 92.1 | 95.1 | 94.5 | 95.7 | 98.2 | 101.0 | 101.0 | 101.6 | 101.7 | 101.1 | | | | | | | |
| 3150000 | 4000000 | 80.4 | 87.9 | 87.0 | 89.6 | 91.8 | 91.3 | 92.1 | 95.1 | 97.4 | 97.2 | 97.8 | 97.2 | 97.4 | | | | | | | |
| 5000000 | 6300000 | 77.9 | 85.5 | 86.4 | 87.8 | 90.1 | 89.1 | 89.5 | 90.8 | 92.6 | 91.2 | 92.1 | 92.3 | 91.0 | | | | | | | |
| 8000000 | 10000000 | 73.3 | 80.3 | 82.7 | 84.2 | 85.0 | 85.1 | 85.0 | 87.0 | 87.9 | 88.5 | 88.8 | 87.7 | 87.0 | | | | | | | |
| 12500000 | 16000000 | 67.6 | 74.5 | 77.4 | 78.2 | 77.3 | 78.4 | 78.1 | 80.4 | 81.9 | 82.1 | 84.2 | 81.2 | 80.1 | | | | | | | |
| 20000000 | 25000000 | 61.5 | 67.4 | 71.0 | 71.5 | 70.7 | 70.9 | 71.5 | 73.5 | 75.2 | 76.8 | 78.1 | 74.3 | 73.8 | | | | | | | |
| 31500000 | 40000000 | 57.4 | 61.9 | 67.5 | 65.7 | 64.6 | 65.5 | 65.4 | 67.2 | 70.2 | 72.9 | 73.1 | 66.9 | 68.4 | | | | | | | |
| 50000000 | 63000000 | 50.9 | 55.5 | 60.6 | 58.5 | 57.4 | 58.3 | 58.8 | 60.6 | 63.5 | 66.5 | 67.5 | 62.5 | 64.0 | | | | | | | |
| 80000000 | 100000000 | 45.4 | 50.5 | 55.6 | 53.5 | 52.4 | 53.3 | 53.8 | 55.6 | 58.5 | 61.5 | 62.5 | 57.5 | 59.0 | | | | | | | |
| 125000000 | 160000000 | 40.9 | 45.5 | 50.6 | 48.5 | 47.4 | 48.3 | 48.8 | 50.6 | 53.5 | 56.5 | 57.5 | 52.5 | 54.0 | | | | | | | |
| 200000000 | 250000000 | 35.4 | 40.5 | 45.6 | 43.5 | 42.4 | 43.3 | 43.8 | 45.6 | 48.5 | 51.5 | 52.5 | 47.5 | 49.0 | | | | | | | |
| 315000000 | 400000000 | 30.9 | 35.5 | 40.6 | 38.5 | 37.4 | 38.3 | 38.8 | 40.6 | 43.5 | 46.5 | 47.5 | 42.5 | 44.0 | | | | | | | |
| 500000000 | 630000000 | 25.4 | 30.5 | 35.6 | 33.5 | 32.4 | 33.3 | 33.8 | 35.6 | 38.5 | 41.5 | 42.5 | 37.5 | 39.0 | | | | | | | |
| 800000000 | 1000000000 | 20.9 | 25.5 | 30.6 | 28.5 | 27.4 | 28.3 | 28.8 | 30.6 | 33.5 | 36.5 | 37.5 | 32.5 | 34.0 | | | | | | | |
| 1250000000 | 1600000000 | 15.4 | 20.5 | 25.6 | 23.5 | 22.4 | 23.3 | 23.8 | 25.6 | 28.5 | 31.5 | 32.5 | 27.5 | 29.0 | | | | | | | |
| 2000000000 | 2500000000 | 10.9 | 15.5 | 20.6 | 18.5 | 17.4 | 18.3 | 18.8 | 20.6 | 23.5 | 26.5 | 27.5 | 22.5 | 24.0 | | | | | | | |
| 3150000000 | 4000000000 | 5.4 | 10.5 | 15.6 | 13.5 | 12.4 | 13.3 | 13.8 | 15.6 | 18.5 | 21.5 | 22.5 | 17.5 | 19.0 | | | | | | | |
| 5000000000 | 6300000000 | 0.9 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 8000000000 | 10000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 12500000000 | 16000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 20000000000 | 25000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 31500000000 | 40000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 50000000000 | 63000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 80000000000 | 100000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 125000000000 | 160000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 200000000000 | 250000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 315000000000 | 400000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 500000000000 | 630000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 800000000000 | 1000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 1250000000000 | 1600000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 2000000000000 | 2500000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 3150000000000 | 4000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 5000000000000 | 6300000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 8000000000000 | 10000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 12500000000000 | 16000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 20000000000000 | 25000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 31500000000000 | 40000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 50000000000000 | 63000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 80000000000000 | 100000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 125000000000000 | 160000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 200000000000000 | 250000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 315000000000000 | 400000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 500000000000000 | 630000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 800000000000000 | 1000000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 1250000000000000 | 1600000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 2000000000000000 | 2500000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 3150000000000000 | 4000000000000000 | 0.4 | 5.5 | 10.6 | 8.5 | 7.4 | 8.3 | 8.8 | 10.6 | 13.5 | 16.5 | 17.5 | 12.5 | 14.0 | | | | | | | |
| 50000000000000 | | | | | | | | | | | | | | | | | | | | | |

OVERALL MEASURED

| | 101.9 | 105.5 | 105.6 | 107.7 | 108.3 | 109.8 | 112.3 | 115.9 | 118.5 | 119.9 | 120.6 | 120.3 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OVERALL CALCULATED | 101.9 | 105.5 | 105.6 | 107.7 | 108.3 | 109.8 | 112.3 | 115.9 | 118.5 | 119.9 | 120.6 | 120.3 |
| PMDB | 114.4 | 116.8 | 117.4 | 119.1 | 120.0 | 121.7 | 124.7 | 128.4 | 130.9 | 132.1 | 132.3 | 131.8 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 3 | 3/15 | 12.2m(40ft.) ARC | MODEL-109cm ² (16.9in ²) |

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 MR. 16.7
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PHL | | | | | |
|--|---|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|----|----|----|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (2.96) (3.14) (3.32) (3.49) (3.67) (3.85) (4.03) (4.21) (4.39) (4.57) (4.75) (4.93) (5.11) (5.29) (5.47) (5.65) (5.83) (6.01) (6.19) (6.37) (6.55) (6.73) (6.91) (7.09) (7.27) (7.45) (7.63) (7.81) (7.99) (8.17) (8.35) (8.53) (8.71) (8.89) (9.07) (9.25) (9.43) (9.61) (9.79) (9.97) (10.15) (10.33) (10.51) (10.69) (10.87) (11.05) (11.23) (11.41) (11.59) (11.77) (11.95) (12.13) (12.31) (12.49) (12.67) (12.85) (13.03) (13.21) (13.39) (13.57) (13.75) (13.93) (14.11) (14.29) (14.47) (14.65) (14.83) (15.01) (15.19) (15.37) (15.55) (15.73) (15.91) (16.09) (16.27) (16.45) (16.63) (16.81) (16.99) (17.17) (17.35) (17.53) (17.71) (17.89) (18.07) (18.25) (18.43) (18.61) (18.79) (18.97) (19.15) (19.33) (19.51) (19.69) (19.87) (20.05) (20.23) (20.41) (20.59) (20.77) (20.95) (21.13) (21.31) (21.49) (21.67) (21.85) (22.03) (22.21) (22.39) (22.57) (22.75) (22.93) (23.11) (23.29) (23.47) (23.65) (23.83) (24.01) (24.19) (24.37) (24.55) (24.73) (24.91) (25.09) (25.27) (25.45) (25.63) (25.81) (25.99) (26.17) (26.35) (26.53) (26.71) (26.89) (27.07) (27.25) (27.43) (27.61) (27.79) (27.97) (28.15) (28.33) (28.51) (28.69) (28.87) (29.05) (29.23) (29.41) (29.59) (29.77) (29.95) (30.13) (30.31) (30.49) (30.67) (30.85) (31.03) (31.21) (31.39) (31.57) (31.75) (31.93) (32.11) (32.29) (32.47) (32.65) (32.83) (33.01) (33.19) (33.37) (33.55) (33.73) (33.91) (34.09) (34.27) (34.45) (34.63) (34.81) (34.99) (35.17) (35.35) (35.53) (35.71) (35.89) (36.07) (36.25) (36.43) (36.61) (36.79) (36.97) (37.15) (37.33) (37.51) (37.69) (37.87) (38.05) (38.23) (38.41) (38.59) (38.77) (38.95) (39.13) (39.31) (39.49) (39.67) (39.85) (40.03) (40.21) (40.39) (40.57) (40.75) (40.93) (41.11) (41.29) (41.47) (41.65) (41.83) (42.01) (42.19) (42.37) (42.55) (42.73) (42.91) (43.09) (43.27) (43.45) (43.63) (43.81) (43.99) (44.17) (44.35) (44.53) (44.71) (44.89) (45.07) (45.25) (45.43) (45.61) (45.79) (45.97) (46.15) (46.33) (46.51) (46.69) (46.87) (47.05) (47.23) (47.41) (47.59) (47.77) (47.95) (48.13) (48.31) (48.49) (48.67) (48.85) (49.03) (49.21) (49.39) (49.57) (49.75) (49.93) (50.11) (50.29) (50.47) (50.65) (50.83) (51.01) (51.19) (51.37) (51.55) (51.73) (51.91) (52.09) (52.27) (52.45) (52.63) (52.81) (52.99) (53.17) (53.35) (53.53) (53.71) (53.89) (54.07) (54.25) (54.43) (54.61) (54.79) (54.97) (55.15) (55.33) (55.51) (55.69) (55.87) (56.05) (56.23) (56.41) (56.59) (56.77) (56.95) (57.13) (57.31) (57.49) (57.67) (57.85) (58.03) (58.21) (58.39) (58.57) (58.75) (58.93) (59.11) (59.29) (59.47) (59.65) (59.83) (60.01) (60.19) (60.37) (60.55) (60.73) (60.91) (61.09) (61.27) (61.45) (61.63) (61.81) (61.99) (62.17) (62.35) (62.53) (62.71) (62.89) (63.07) (63.25) (63.43) (63.61) (63.79) (63.97) (64.15) (64.33) (64.51) (64.69) (64.87) (65.05) (65.23) (65.41) (65.59) (65.77) (65.95) (66.13) (66.31) (66.49) (66.67) (66.85) (67.03) (67.21) (67.39) (67.57) (67.75) (67.93) (68.11) (68.29) (68.47) (68.65) (68.83) (69.01) (69.19) (69.37) (69.55) (69.73) (69.91) (70.09) (70.27) (70.45) (70.63) (70.81) (70.99) (71.17) (71.35) (71.53) (71.71) (71.89) (72.07) (72.25) (72.43) (72.61) (72.79) (72.97) (73.15) (73.33) (73.51) (73.69) (73.87) (74.05) (74.23) (74.41) (74.59) (74.77) (74.95) (75.13) (75.31) (75.49) (75.67) (75.85) (76.03) (76.21) (76.39) (76.57) (76.75) (76.93) (77.11) (77.29) (77.47) (77.65) (77.83) (78.01) (78.19) (78.37) (78.55) (78.73) (78.91) (79.09) (79.27) (79.45) (79.63) (79.81) (79.99) (80.17) (80.35) (80.53) (80.71) (80.89) (81.07) (81.25) (81.43) (81.61) (81.79) (81.97) (82.15) (82.33) (82.51) (82.69) (82.87) (83.05) (83.23) (83.41) (83.59) (83.77) (83.95) (84.13) (84.31) (84.49) (84.67) (84.85) (85.03) (85.21) (85.39) (85.57) (85.75) (85.93) (86.11) (86.29) (86.47) (86.65) (86.83) (87.01) (87.19) (87.37) (87.55) (87.73) (87.91) (88.09) (88.27) (88.45) (88.63) (88.81) (88.99) (89.17) (89.35) (89.53) (89.71) (89.89) (90.07) (90.25) (90.43) (90.61) (90.79) (90.97) (91.15) (91.33) (91.51) (91.69) (91.87) (92.05) (92.23) (92.41) (92.59) (92.77) (92.95) (93.13) (93.31) (93.49) (93.67) (93.85) (94.03) (94.21) (94.39) (94.57) (94.75) (94.93) (95.11) (95.29) (95.47) (95.65) (95.83) (96.01) (96.19) (96.37) (96.55) (96.73) (96.91) (97.09) (97.27) (97.45) (97.63) (97.81) (97.99) (98.17) (98.35) (98.53) (98.71) (98.89) (99.07) (99.25) (99.43) (99.61) (99.79) (99.97) (100.15) (100.33) (100.51) (100.69) (100.87) (101.05) (101.23) (101.41) (101.59) (101.77) (101.95) (102.13) (102.31) (102.49) (102.67) (102.85) (103.03) (103.21) (103.39) (103.57) (103.75) (103.93) (104.11) (104.29) (104.47) (104.65) (104.83) (105.01) (105.19) (105.37) (105.55) (105.73) (105.91) (106.09) (106.27) (106.45) (106.63) (106.81) (106.99) (107.17) (107.35) (107.53) (107.71) (107.89) (108.07) (108.25) (108.43) (108.61) (108.79) (108.97) (109.15) (109.33) (109.51) (109.69) (109.87) (110.05) (110.23) (110.41) (110.59) (110.77) (110.95) (111.13) (111.31) (111.49) (111.67) (111.85) (112.03) (112.21) (112.39) (112.57) (112.75) (112.93) (113.11) (113.29) (113.47) (113.65) (113.83) (114.01) (114.19) (114.37) (114.55) (114.73) (114.91) (115.09) (115.27) (115.45) (115.63) (115.81) (115.99) (116.17) (116.35) (116.53) (116.71) (116.89) (117.07) (117.25) (117.43) (117.61) (117.79) (117.97) (118.15) (118.33) (118.51) (118.69) (118.87) (119.05) (119.23) (119.41) (119.59) (119.77) (119.95) (120.13) (120.31) (120.49) (120.67) (120.85) (121.03) (121.21) (121.39) (121.57) (121.75) (121.93) (122.11) (122.29) (122.47) (122.65) (122.83) (123.01) (123.19) (123.37) (123.55) (123.73) (123.91) (124.09) (124.27) (124.45) (124.63) (124.81) (124.99) (125.17) (125.35) (125.53) (125.71) (125.89) (126.07) (126.25) (126.43) (126.61) (126.79) (126.97) (127.15) (127.33) (127.51) (127.69) (127.87) (128.05) (128.23) (128.41) (128.59) (128.77) (128.95) (129.13) (129.31) (129.49) (129.67) (129.85) (129.99) (130.17) (130.35) (130.53) (130.71) (130.89) (131.07) (131.25) (131.43) (131.61) (131.79) (131.97) (132.15) (132.33) 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(252.33) (252.51) (252.69) (252.87) (253.05) (253.23) (253.41) (253.59) (253.77) (253.95) (254.13) (254.31) (254.49) (254.67) (254.85) (255.03) (255.21) (255.39) (255.57) (255.75) (255.93) (256.11) (256.29) (256.47) (256.65) (256.83) (257.01) (257.19) (257.37) (257.55) (257.73) (257.91) (258.09) (258.27) (258.45) (258.63) (258.81) (258.99) (259.17) (259.35) (259.53) (259.71) (259.89) (260.07) (260.25) (260.43) (260.61) (260.79) (260.97) (261.15) (261.33) (261.51) (261.69) (261.87) (262.05) (262.23) (262.41) (262.59) (262.77) (262.95) (263.13) (263.31) (263.49) (263.67) (263.85) (264.03) (264.21) (264.39) (264.57) (264.75) (264.93) (265.11) (265.29) (265.47) (265.65) (265.83) (266.01) (266.19) (266.37) (266.55) (266.73) (266.91) (267.09) (267.27) (267.45) (267.63) (267.81) (267.99) (268.17) (268.35) (268.53) (268.71) (268.89) (269.07) (269.25) (269.43) (269.61) (269.79) (269.97) (270.15) (270.33) (270.51) (270.69) (270.87) (271.05) (271.23) (271.41) (271.59) (271.77) (271.95) (272.13) (272.31) (272.49) (272.67) (272.85) (273.03) (273.21) (273.39) (273.57) (273.75) (273.93) (274.11) (274.29) (274.47) (274.65) (274.83) (275.01) (275.19) (275.37) (275.55) (275.73) (275.91) (276.09) (276.27) (276.45) (276.63) (276.81) (276.99) (277.17) (277.35) (277.53) (277.71) (277.89) (278.07) (278.25) (278.43) (278.61) (278.79) (278.97) (279.15) (279.33) (279.51) (279.69) (279.87) (280.05) (280.23) (280.41) (280.59) (280.77) (280.95) (281.13) (281.31) (281.49) (281.67) (281.85) (282.03) (282. | | | | | | | | | | | | | | | | |

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 HR. 16.7

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|--------------------|--------|---|------|------|------|------|------|------|------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | | | | | | | | | | | |
| FREQ. | | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 |
| NO EGA | | 55.0 | 59.3 | 61.6 | 61.9 | 64.2 | 65.4 | 67.7 | 69.2 | 71.4 | 74.6 | 78.3 | 81.5 |
| SIDELINE 2400. FT. | | 58.4 | 61.8 | 61.4 | 64.5 | 67.0 | 68.5 | 70.5 | 73.2 | 77.2 | 80.0 | 81.5 | 78.0 |
| (731.52 M) | | 58.4 | 61.1 | 63.9 | 64.9 | 66.9 | 68.5 | 68.9 | 71.4 | 74.7 | 80.1 | 82.7 | 82.4 |
| MFA | | 58.9 | 61.0 | 63.7 | 65.2 | 67.5 | 69.0 | 70.2 | 72.2 | 75.9 | 81.6 | 84.0 | 83.1 |
| (1. RPM) | | 60.1 | 62.8 | 64.2 | 66.7 | 69.0 | 70.2 | 71.7 | 74.0 | 77.4 | 81.9 | 85.2 | 83.2 |
| (0. RAD/SEC) | | 61.2 | 63.9 | 65.8 | 68.1 | 70.1 | 71.4 | 72.9 | 74.9 | 79.1 | 82.7 | 83.3 | 82.3 |
| NFK | | 63.3 | 65.8 | 68.0 | 69.3 | 71.3 | 72.1 | 73.8 | 76.1 | 79.2 | 82.6 | 82.4 | 79.3 |
| (1. RPM) | | 62.7 | 65.4 | 68.4 | 69.7 | 71.3 | 72.8 | 74.3 | 76.7 | 80.4 | 83.0 | 81.7 | 79.6 |
| (0. RAD/SEC) | | 63.4 | 66.0 | 67.3 | 69.6 | 71.2 | 73.7 | 74.7 | 76.6 | 81.0 | 82.9 | 81.5 | 78.8 |
| NFO 7500. RPM | | 63.3 | 66.2 | 68.2 | 69.6 | 71.7 | 73.4 | 75.4 | 77.6 | 80.7 | 82.5 | 81.4 | 78.5 |
| (785. RAD/SEC) | | 63.6 | 65.9 | 68.2 | 70.4 | 72.7 | 73.5 | 74.5 | 77.6 | 81.7 | 81.7 | 79.7 | 77.4 |
| AIRFLOW RATIO | | 63.2 | 66.3 | 67.7 | 69.7 | 72.5 | 73.1 | 75.0 | 77.9 | 80.7 | 81.2 | 80.0 | 76.6 |
| WF/W 5.50 | | 61.6 | 64.9 | 67.2 | 68.9 | 71.0 | 72.8 | 74.5 | 77.4 | 79.9 | 80.5 | 78.0 | 74.5 |
| VEHICLE | CELL41 | 60.7 | 65.4 | 67.0 | 69.3 | 71.0 | 72.8 | 74.5 | 77.1 | 79.3 | 78.8 | 77.3 | 72.7 |
| CONFIG | NC42 | 60.2 | 67.2 | 68.2 | 69.1 | 71.3 | 73.1 | 74.3 | 76.1 | 77.9 | 77.8 | 75.6 | 70.4 |
| LOC C41 ANECH CH | | 59.2 | 67.3 | 67.8 | 69.2 | 70.7 | 71.8 | 73.5 | 75.2 | 76.5 | 76.7 | 73.2 | 68.1 |
| DATE 06-02-76 | | 56.0 | 66.3 | 68.7 | 69.9 | 70.2 | 69.8 | 71.2 | 73.6 | 74.5 | 73.5 | 70.8 | 64.7 |
| RUN CONF3VELDEPH | | 50.6 | 61.1 | 64.2 | 67.7 | 68.9 | 68.6 | 68.6 | 70.0 | 70.7 | 68.9 | 65.9 | 58.5 |
| TAPE X31150 | | 43.7 | 54.7 | 58.2 | 62.8 | 65.1 | 65.3 | 65.4 | 65.3 | 66.2 | 63.2 | 59.0 | 51.0 |
| FAN TIP SPEED | | 33.0 | 45.7 | 50.9 | 54.5 | 58.8 | 58.5 | 59.4 | 57.4 | 57.4 | 53.3 | 47.8 | 36.7 |
| FT/SEC | | 26.9 | 41.4 | 44.9 | 50.1 | 53.8 | 53.7 | 54.0 | 52.3 | 53.3 | 47.1 | 42.5 | 28.5 |
| OVERALL CALCULATED | | 73.5 | 77.5 | 79.3 | 81.1 | 83.0 | 84.3 | 85.7 | 88.0 | 91.1 | 93.1 | 93.0 | 91.6 |
| PND8 | | 79.3 | 86.4 | 88.6 | 90.5 | 92.2 | 92.7 | 93.9 | 95.8 | 97.8 | 98.5 | 97.3 | 94.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 3 | 3/15 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 24 HR. 10.7
F. 70 PERCENT REL. HUM. DAY - JENOTS)

| | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-----|
| 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
| (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| FREQ. | | | | | | | | | | | | | | | | |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 3 | 3/50 | 12.2m(40ft.) ARC | MODEL=71.3cm ² (11.1 in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. P. 70 PERCENT REL. HUM. DAY - JEROTS)

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | | | | | | |
|--|--|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------|--|--|--|--|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JEROTS) | | | | | | | | | | PROC. DATE - MONTH 8 DAY 24 HR. 12.1 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | | | | | | |
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | | | | | |
| NO EGA | | 50 | 86.6 | 92.6 | 91.1 | 93.7 | 96.0 | 96.6 | 98.0 | 100.7 | 104.4 | 110.2 | 115.9 | 118.1 | 117.6 | | | | |
| RDG. NO. 0. | | 63 | 90.9 | 92.9 | 93.9 | 94.2 | 96.0 | 97.4 | 98.5 | 101.9 | 106.4 | 113.5 | 118.9 | 119.6 | 118.2 | | | | |
| RADIAL 150. FT. | | 80 | 91.7 | 93.0 | 94.5 | 95.3 | 97.1 | 98.7 | 100.1 | 104.0 | 109.0 | 116.8 | 121.3 | 120.9 | 118.2 | | | | |
| (46. M) | | 100 | 93.6 | 94.6 | 95.3 | 96.9 | 99.0 | 100.1 | 102.7 | 105.6 | 111.3 | 118.9 | 122.6 | 122.3 | 118.8 | | | | |
| VEHICLE CELL41 | | 125 | 96.6 | 96.6 | 97.6 | 98.6 | 100.7 | 101.6 | 103.2 | 107.6 | 114.4 | 121.4 | 124.6 | 123.1 | 119.9 | | | | |
| CONFIG MC41 | | 160 | 100.9 | 102.2 | 103.2 | 102.7 | 103.6 | 103.7 | 105.3 | 109.5 | 114.9 | 122.5 | 123.2 | 123.2 | 120.9 | | | | |
| LOC C41 ANECH CH | | 200 | 100.2 | 102.3 | 104.0 | 104.6 | 104.9 | 105.8 | 106.7 | 110.8 | 116.0 | 123.4 | 126.1 | 125.0 | 120.5 | | | | |
| DATE 06-01-76 | | 250 | 99.4 | 100.9 | 101.7 | 102.4 | 103.8 | 105.1 | 107.0 | 110.4 | 115.9 | 124.0 | 126.9 | 124.4 | 120.6 | | | | |
| RUN COMPZEROFW | | 315 | 100.9 | 102.2 | 103.7 | 102.7 | 104.3 | 104.9 | 108.3 | 112.0 | 116.5 | 123.0 | 126.2 | 122.7 | 118.2 | | | | |
| TAPE X31500 | | 400 | 101.8 | 102.8 | 103.6 | 103.9 | 105.5 | 106.1 | 108.5 | 112.9 | 117.1 | 122.4 | 124.6 | 120.8 | 115.6 | | | | |
| BAR 29.3 HG | | 500 | 102.3 | 104.3 | 104.9 | 104.4 | 105.5 | 106.3 | 108.5 | 112.9 | 117.4 | 121.9 | 124.1 | 118.8 | 114.6 | | | | |
| (98975. N/MZ) | | 630 | 100.9 | 102.9 | 104.2 | 104.2 | 105.3 | 106.2 | 108.5 | 112.9 | 117.4 | 121.9 | 124.1 | 118.8 | 114.6 | | | | |
| TAMB 60. DEG F | | 800 | 101.8 | 103.8 | 104.6 | 105.1 | 105.7 | 107.1 | 108.9 | 113.9 | 116.3 | 119.9 | 120.9 | 116.5 | 111.8 | | | | |
| (292. DEG K) | | 1000 | 101.6 | 104.7 | 105.0 | 105.8 | 106.9 | 107.5 | 109.9 | 112.8 | 116.3 | 119.9 | 119.6 | 116.0 | 112.0 | | | | |
| TWET 64. DEG F | | 1250 | 102.1 | 104.6 | 105.0 | 105.5 | 106.8 | 108.2 | 109.8 | 112.8 | 115.5 | 118.4 | 118.3 | 115.4 | 111.7 | | | | |
| (291. DEG K) | | 1600 | 101.8 | 103.9 | 105.9 | 105.9 | 108.0 | 107.6 | 109.3 | 112.4 | 115.7 | 117.6 | 117.0 | 114.6 | 111.4 | | | | |
| HACT14.56 GM/M3 | | 2000 | 100.8 | 105.5 | 106.1 | 106.6 | 107.2 | 107.0 | 109.1 | 111.1 | 113.4 | 115.8 | 115.5 | 113.5 | 110.5 | | | | |
| (0.01456 KG/M3) | | 2500 | 99.4 | 104.7 | 105.6 | 107.6 | 108.1 | 107.6 | 108.4 | 110.6 | 113.4 | 114.8 | 115.2 | 112.7 | 109.7 | | | | |
| FREQ. SHIFT | | 3150 | 97.2 | 102.3 | 103.8 | 105.4 | 108.5 | 106.8 | 107.6 | 108.7 | 112.3 | 113.3 | 112.7 | 109.6 | 108.3 | | | | |
| JET 8 | | 4000 | 95.3 | 101.3 | 101.7 | 103.5 | 106.2 | 105.3 | 105.3 | 106.3 | 110.5 | 111.1 | 111.6 | 107.0 | 104.8 | | | | |
| DIAMETER RATIO | | 5000 | 94.5 | 101.0 | 102.1 | 104.1 | 106.4 | 105.1 | 105.3 | 107.2 | 109.7 | 110.5 | 111.7 | 106.6 | 104.6 | | | | |
| BF/DM 6.81 | | 6300 | 91.4 | 98.9 | 101.9 | 102.8 | 103.9 | 103.6 | 103.1 | 105.4 | 108.5 | 110.8 | 111.1 | 106.5 | 102.9 | | | | |
| | | 8000 | 87.7 | 95.3 | 98.4 | 99.5 | 98.9 | 100.2 | 99.7 | 102.8 | 105.4 | 109.6 | 111.0 | 103.8 | 99.0 | | | | |
| | | 10000 | 85.0 | 93.4 | 97.6 | 97.1 | 96.9 | 98.1 | 98.0 | 100.7 | 104.4 | 111.1 | 110.7 | 101.5 | 95.6 | | | | |
| | | 12500 | 86.5 | 94.1 | 99.6 | 97.9 | 96.3 | 101.0 | 100.3 | 101.7 | 104.9 | 112.5 | 114.6 | 101.4 | 96.5 | | | | |
| OVERALL CALCULATED | | | 112.9 | 115.9 | 116.8 | 117.4 | 118.8 | 119.0 | 120.6 | 124.0 | 127.9 | 133.2 | 135.5 | 133.2 | 129.8 | | | | |
| PNMB | | | 123.8 | 128.1 | 129.2 | 130.3 | 131.9 | 131.9 | 132.5 | 135.1 | 138.5 | 141.8 | 143.0 | 136.6 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 3 | 3/50 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 24 HR. 12.1

[illegible]

PROC - DATE - MONTH 8 DAY 24 HR 10 7

MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY - JENOTIS)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|-----|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
| (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | |

| NO | EG | 63 |
|--------------------|--------------|-------|
| RDG. NO. | 0. | 80 |
| RADIAL | 40. FT. | 100 |
| (12. H) | | 125 |
| VEHICLE | CELL41 | 160 |
| CONFIG | NC41 | 200 |
| LLOC | C41 ANECH CH | 250 |
| DATE | 06-01-76 | 315 |
| RUN | CONF3ZEROFLW | 400 |
| TAPE | X31510 | 500 |
| BAR | 29.3 HG | 630 |
| (98975. N/M2) | | 800 |
| TAMB | 64. DEG F | 1000 |
| (291. DEG K) | | 1250 |
| TNET | 62. DEG F | 1600 |
| (290. DEG K) | | 2000 |
| HACT | 13.59 GM/M3 | 2500 |
| (.01359 KG/M3) | | 3150 |
| FREQ. | SHIFT | 4000 |
| JET | O | 5000 |
| DIAMETER RATIO | | 6300 |
| DF/DM | 1 | 8000 |
| | | 10000 |
| | | 12500 |
| | | 16000 |
| | | 20000 |
| | | 25000 |
| | | 31500 |
| | | 40000 |
| | | 50000 |
| | | 63000 |
| | | 80000 |
| OVERALL MEASURED | | |
| OVERALL CALCULATED | | |
| PNOB | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 3 | 3/5/ | 12.2m(40ft.) ARC | MODEL-7/3cm ² (11.1 in ²) |

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) |
| 50 | 85.3 | 89.1 | 87.9 | 89.9 | 92.3 | 93.1 | 94.5 | 96.9 | 100.4 | 105.7 | 111.1 | 113.3 | 113.1 | 158.5 |
| 63 | 87.6 | 88.7 | 90.7 | 90.9 | 92.5 | 94.2 | 95.0 | 98.7 | 102.7 | 109.5 | 114.6 | 115.1 | 113.9 | 160.7 |
| 80 | 88.5 | 89.2 | 90.7 | 91.8 | 93.4 | 95.2 | 97.1 | 100.3 | 104.7 | 112.6 | 116.5 | 117.4 | 114.5 | 162.8 |
| 100 | 90.3 | 91.3 | 91.6 | 93.1 | 95.0 | 96.6 | 98.7 | 101.6 | 107.1 | 114.4 | 117.9 | 119.0 | 115.1 | 164.3 |
| 125 | 92.6 | 93.4 | 93.9 | 95.6 | 97.2 | 98.4 | 100.0 | 103.4 | 108.9 | 116.4 | 119.9 | 119.3 | 116.6 | 165.8 |
| 160 | 96.7 | 97.9 | 99.9 | 99.0 | 99.8 | 99.9 | 101.8 | 105.0 | 109.9 | 117.5 | 120.2 | 118.9 | 116.9 | 166.2 |
| 200 | 96.0 | 98.0 | 100.0 | 100.3 | 100.9 | 102.3 | 103.2 | 106.8 | 111.0 | 118.4 | 120.8 | 120.5 | 117.3 | 167.1 |
| 250 | 95.4 | 96.6 | 97.7 | 98.2 | 99.8 | 101.6 | 102.8 | 106.2 | 111.4 | 118.0 | 121.2 | 120.4 | 117.4 | 167.1 |
| 315 | 96.7 | 97.2 | 99.5 | 99.0 | 100.3 | 101.2 | 104.1 | 107.2 | 111.5 | 117.8 | 120.7 | 119.4 | 115.7 | 166.7 |
| 400 | 95.3 | 96.6 | 98.6 | 99.6 | 101.0 | 101.6 | 104.2 | 107.6 | 111.8 | 115.2 | 119.4 | 116.8 | 113.6 | 165.0 |
| 500 | 95.8 | 97.6 | 99.1 | 99.1 | 101.2 | 101.8 | 103.7 | 107.9 | 111.6 | 114.9 | 118.4 | 115.6 | 111.6 | 164.3 |
| 630 | 94.9 | 97.2 | 98.9 | 99.2 | 100.6 | 101.7 | 104.1 | 107.7 | 111.2 | 113.8 | 116.2 | 113.4 | 109.2 | 162.9 |
| 800 | 95.5 | 97.8 | 99.1 | 100.1 | 100.7 | 102.3 | 104.2 | 108.1 | 110.8 | 112.9 | 115.6 | 113.0 | 109.1 | 162.5 |
| 1000 | 94.7 | 98.5 | 99.3 | 99.8 | 100.9 | 102.5 | 104.4 | 107.3 | 110.8 | 112.1 | 114.3 | 112.2 | 110.2 | 161.9 |
| 1250 | 95.9 | 100.0 | 100.3 | 100.0 | 101.8 | 103.0 | 104.6 | 107.8 | 109.8 | 111.9 | 113.3 | 112.2 | 110.2 | 161.6 |
| 1600 | 96.0 | 102.4 | 101.7 | 101.5 | 102.8 | 102.4 | 103.8 | 107.2 | 109.7 | 110.6 | 112.5 | 111.4 | 110.6 | 161.2 |
| 2000 | 96.5 | 102.0 | 102.4 | 102.9 | 103.2 | 102.3 | 102.8 | 105.6 | 107.7 | 108.8 | 111.0 | 110.6 | 109.8 | 160.2 |
| 2500 | 94.2 | 101.0 | 101.7 | 103.6 | 104.1 | 102.7 | 103.2 | 105.3 | 107.7 | 107.1 | 110.5 | 109.5 | 109.0 | 159.9 |
| 3150 | 91.7 | 98.0 | 100.1 | 101.5 | 104.3 | 101.9 | 102.6 | 103.3 | 106.4 | 105.9 | 106.5 | 106.5 | 106.9 | 158.2 |
| 4000 | 89.9 | 96.9 | 97.3 | 99.1 | 101.6 | 100.8 | 100.8 | 101.6 | 104.6 | 103.2 | 106.5 | 104.3 | 103.6 | 156.7 |
| 5000 | 89.1 | 96.6 | 97.5 | 100.0 | 101.5 | 100.5 | 100.7 | 102.0 | 104.1 | 101.9 | 106.1 | 104.7 | 104.0 | 156.8 |
| 6300 | 86.6 | 94.1 | 96.9 | 98.5 | 99.1 | 98.8 | 98.6 | 101.6 | 102.2 | 101.8 | 105.1 | 103.2 | 102.3 | 156.0 |
| 8000 | 83.4 | 90.3 | 93.7 | 94.5 | 94.1 | 94.5 | 95.4 | 97.3 | 98.5 | 99.7 | 103.3 | 100.6 | 97.5 | 153.7 |
| 10000 | 81.8 | 87.2 | 92.5 | 92.7 | 91.5 | 92.4 | 92.0 | 95.5 | 96.8 | 99.0 | 102.6 | 97.6 | 95.9 | 153.4 |
| 12500 | 85.3 | 89.8 | 95.3 | 93.3 | 92.2 | 93.4 | 93.0 | 95.6 | 98.6 | 101.5 | 106.4 | 96.3 | 97.6 | 157.4 |
| OVERALL CALCULATED | 107.3 | 111.3 | 112.4 | 113.0 | 114.3 | 114.6 | 115.9 | 119.0 | 122.6 | 127.2 | 130.3 | 129.4 | 126.6 | 176.8 |
| PRDB | 118.3 | 123.8 | 124.9 | 126.1 | 127.5 | 126.7 | 127.7 | 130.1 | 132.9 | 134.7 | 137.7 | 136.5 | 134.9 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 3 | 3/57 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 26 HR. 12.1

| FULL SIZE SOUND PRESSURE LEVELS | | SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAY) | | FROM INLET IN DEGREES (AND RADIAN) | | 70 PERCENT REL. HUM. DAY | |
|---------------------------------|------|--|------|------------------------------------|--------|--------------------------|--------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. |
| 50 | 57.2 | 62.5 | 62.4 | (1.05) | (1.22) | (1.40) | (1.57) |
| 63 | 59.4 | 62.0 | 65.1 | 65.1 | 67.9 | 68.9 | 70.1 |
| 80 | 60.1 | 62.5 | 65.1 | 66.1 | 68.1 | 69.9 | 70.6 |
| 100 | 61.9 | 64.5 | 65.9 | 68.2 | 70.4 | 72.2 | 73.9 |
| 125 | 64.0 | 66.4 | 68.1 | 70.6 | 72.6 | 74.2 | 75.4 |
| 160 | 67.9 | 70.9 | 73.8 | 75.1 | 75.3 | 77.1 | 78.3 |
| 200 | 67.0 | 70.8 | 74.0 | 75.0 | 76.0 | 77.5 | 78.3 |
| 250 | 66.1 | 69.2 | 71.4 | 72.7 | 74.7 | 76.8 | 77.7 |
| 315 | 67.1 | 69.4 | 72.9 | 73.3 | 75.1 | 76.1 | 78.8 |
| 400 | 65.3 | 68.4 | 71.7 | 73.6 | 75.4 | 76.2 | 78.7 |
| 500 | 65.3 | 69.0 | 71.9 | 72.8 | 75.3 | 76.1 | 77.8 |
| 630 | 63.7 | 68.0 | 71.2 | 72.4 | 74.2 | 75.3 | 77.7 |
| 800 | 63.4 | 67.9 | 70.7 | 72.7 | 73.8 | 75.6 | 77.3 |
| 1000 | 61.5 | 67.7 | 70.1 | 71.6 | 73.3 | 75.1 | 76.8 |
| 1250 | 61.3 | 68.0 | 70.1 | 71.0 | 73.4 | 74.7 | 76.2 |
| 1600 | 59.5 | 68.9 | 70.1 | 71.1 | 73.1 | 72.9 | 74.1 |
| 2000 | 55.7 | 66.6 | 69.1 | 71.0 | 72.0 | 71.4 | 73.7 |
| 2500 | 52.1 | 62.7 | 65.9 | 69.4 | 70.8 | 69.7 | 69.9 |
| 3150 | 44.2 | 55.3 | 60.4 | 63.7 | 67.5 | 65.3 | 65.5 |
| 4000 | 34.3 | 47.5 | 51.7 | 55.9 | 59.7 | 58.9 | 58.4 |
| 5000 | 28.8 | 43.3 | 48.5 | 53.7 | 56.7 | 56.1 | 53.9 |
| 6300 | 12.5 | 29.3 | 37.8 | 42.9 | 45.4 | 45.8 | 44.9 |
| 8000 | | 7.9 | 19.2 | 24.8 | 27.0 | 28.2 | 28.3 |
| 10000 | | | 3.2 | 5.6 | 7.7 | 6.1 | 6.1 |
| 12500 | | | | | | | 0.7 |
| OVERALL CALCULATED | 76.3 | 80.3 | 83.0 | 84.3 | 86.0 | 87.1 | 88.7 |
| PHDB | 80.9 | 88.1 | 90.8 | 92.8 | 94.7 | 94.7 | 95.7 |
| | | | | | | | 91.6 |
| | | | | | | | 94.8 |
| | | | | | | | 99.2 |
| | | | | | | | 100.7 |
| | | | | | | | 104.4 |
| | | | | | | | 100.2 |
| | | | | | | | 97.5 |
| | | | | | | | 90.7 |
| | | | | | | | 92.4 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 3 TEST POINT 3/5/ ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

[illegible]

NO. EGA
RDG. NO. Q.

| RADIAL 40. FT. | | 100 | 70.4 | 79.9 | 77.9 | 78.7 | 80.0 | 80.7 | 80.3 | 82.0 | 82.2 | 84.7 | 88.7 | 87.6 | 89.4 | 125.3 |
|-------------------|--|-------|------|------|------|--------|------|------|------|------|------|-------|-------|-------|-------|-------|
| (12. M) | | 125 | 70.8 | 74.9 | 76.4 | 77.7 | 79.5 | 80.4 | 81.0 | 82.7 | 81.1 | 81.7 | 89.9 | 90.6 | 89.9 | 125.8 |
| VEHICLE CELL41 | | 160 | 71.4 | 74.2 | 76.4 | 77.0 | 78.0 | 78.2 | 78.0 | 80.2 | 81.9 | 87.0 | 91.7 | 91.9 | 93.4 | 127.4 |
| CONFIG NC41 | | 200 | 73.8 | 74.2 | 76.5 | 78.3 | 78.7 | 79.3 | 79.9 | 83.1 | 85.8 | 90.1 | 94.3 | 97.3 | 97.5 | 131.1 |
| LOC C41 ANECH CH | | 250 | 73.8 | 76.6 | 77.8 | 77.4 | 79.2 | 80.6 | 83.0 | 84.9 | 86.8 | 92.2 | 97.9 | 99.0 | 99.1 | 133.3 |
| DATE 06-01-76 | | 315 | 75.2 | 78.9 | 78.4 | 80.0 | 82.6 | 82.9 | 84.1 | 87.5 | 89.7 | 94.5 | 100.0 | 102.4 | 101.7 | 135.9 |
| RUN CONFIZEROFLOW | | 400 | 77.4 | 79.2 | 81.0 | 81.0 | 82.3 | 83.5 | 84.8 | 88.5 | 92.2 | 97.5 | 103.2 | 103.9 | 103.2 | 138.2 |
| TAPE X31520 | | 500 | 78.0 | 79.5 | 81.0 | 81.3 | 83.4 | 84.8 | 86.2 | 89.6 | 93.3 | 100.1 | 105.3 | 106.5 | 103.8 | 140.2 |
| BAR 29.3 HG | | 630 | 79.4 | 81.1 | 81.9 | 83.4 | 85.3 | 86.1 | 87.8 | 91.4 | 95.4 | 101.2 | 106.9 | 108.6 | 105.1 | 141.9 |
| (08975. N/M2) | | 800 | 82.1 | 82.7 | 83.7 | 84.7 | 86.3 | 87.4 | 89.3 | 92.4 | 96.9 | 102.7 | 108.9 | 108.4 | 105.7 | 142.9 |
| TAMB 66. DEG F | | 1000 | 86.0 | 86.7 | 88.0 | 87.5 | 87.9 | 89.0 | 90.9 | 93.8 | 96.7 | 102.3 | 108.3 | 107.7 | 105.5 | 142.5 |
| (292. DEG K) | | 1250 | 83.5 | 85.6 | 87.6 | 88.4 | 89.0 | 90.6 | 92.2 | 95.1 | 97.8 | 102.6 | 106.9 | 107.8 | 104.6 | 142.1 |
| TWET 64. DEG F | | 1600 | 83.1 | 85.2 | 85.7 | 86.7 | 87.6 | 90.7 | 91.3 | 94.5 | 98.2 | 101.5 | 105.5 | 105.6 | 103.4 | 140.7 |
| (291. DEG K) | | 2000 | 83.9 | 85.5 | 87.0 | 86.5 | 88.3 | 90.0 | 91.8 | 95.3 | 97.7 | 100.8 | 103.8 | 103.7 | 100.2 | 139.4 |
| HACT14.56 GM/M3 | | 2500 | 83.5 | 84.8 | 86.6 | 87.9 | 89.5 | 89.8 | 92.2 | 95.6 | 98.8 | 100.2 | 101.4 | 101.8 | 98.1 | 138.4 |
| (01456 KG/M3) | | 3150 | 83.0 | 85.0 | 87.3 | 87.3 | 89.4 | 90.0 | 91.7 | 95.3 | 99.1 | 100.2 | 101.1 | 101.3 | 98.3 | 138.3 |
| FREQ. SHIFT | | 4000 | 82.5 | 84.1 | 86.1 | 86.9 | 88.5 | 90.1 | 91.7 | 95.4 | 97.8 | 99.7 | 100.9 | 102.0 | 98.1 | 138.2 |
| JET O | | 5000 | 82.6 | 84.4 | 87.0 | 88.5 | 89.3 | 90.4 | 91.8 | 95.2 | 97.7 | 98.8 | 101.8 | 103.2 | 99.2 | 138.6 |
| DIAMETER RATIO | | 6300 | 81.7 | 84.3 | 87.0 | 88.3 | 89.9 | 91.5 | 92.6 | 94.8 | 97.3 | 98.4 | 101.3 | 103.7 | 100.0 | 138.8 |
| DF/DM 1 | | 8000 | 81.7 | 83.3 | 85.1 | 87.4 | 89.7 | 90.8 | 92.7 | 94.9 | 96.6 | 97.7 | 99.9 | 102.3 | 100.5 | 138.2 |
| | | 10000 | 80.1 | 83.2 | 84.8 | 86.8 | 89.6 | 89.7 | 91.1 | 94.5 | 96.3 | 96.4 | 98.4 | 101.5 | 99.7 | 137.5 |
| | | 12500 | 77.7 | 81.5 | 83.8 | 85.8 | 87.9 | 88.7 | 90.3 | 92.3 | 94.3 | 95.0 | 96.7 | 100.0 | 97.7 | 136.5 |
| | | 16000 | 75.8 | 80.0 | 82.2 | 84.6 | 87.2 | 87.8 | 89.0 | 91.6 | 93.7 | 93.4 | 95.0 | 99.1 | 97.3 | 136.3 |
| | | 20000 | 72.7 | 77.5 | 80.1 | 81.4</ | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 3 | 3/52 | 12.2m (40ft.) ARC | MODEL-7/3cm ² (11.1 in ²) |

PROC. DATE - MONTH 8 DAY 24 HR. 12.1
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | |
|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PUL |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) |
| 50 | 80.3 | 84.1 | 83.6 | 85.2 | 87.8 | 88.1 | 89.3 | 92.4 | 94.9 | 99.7 | 105.1 | 107.6 | 106.9 | 152.6 |
| 63 | 82.6 | 84.4 | 86.2 | 86.2 | 87.5 | 88.7 | 90.0 | 93.7 | 97.4 | 102.7 | 108.4 | 109.1 | 108.4 | 154.8 |
| 80 | 83.2 | 84.7 | 86.2 | 86.5 | 88.6 | 90.0 | 91.4 | 94.8 | 98.5 | 103.3 | 110.5 | 111.7 | 109.0 | 156.8 |
| 100 | 84.6 | 86.3 | 87.1 | 88.6 | 90.5 | 91.3 | 93.0 | 96.6 | 100.6 | 106.4 | 112.1 | 113.8 | 110.3 | 158.5 |
| 125 | 87.3 | 87.9 | 88.9 | 89.9 | 91.5 | 92.6 | 94.5 | 97.6 | 102.1 | 107.9 | 114.1 | 113.6 | 110.9 | 159.6 |
| VEHICLE CELL41 | 160 | 91.2 | 91.9 | 93.2 | 92.7 | 93.1 | 94.2 | 96.1 | 99.0 | 101.9 | 107.5 | 113.5 | 112.9 | 159.1 |
| CONFIG NC41 | 200 | 88.7 | 90.8 | 92.8 | 93.6 | 94.2 | 95.8 | 97.4 | 100.3 | 103.0 | 107.9 | 112.1 | 113.0 | 158.7 |
| LOC C41 ANECH CH | 250 | 88.4 | 90.4 | 90.9 | 91.9 | 92.8 | 95.9 | 96.5 | 99.7 | 103.4 | 106.7 | 110.7 | 110.9 | 157.4 |
| DATE 06-01-76 | 315 | 89.2 | 90.7 | 92.2 | 91.7 | 93.6 | 95.2 | 97.1 | 100.5 | 103.0 | 106.0 | 109.0 | 108.9 | 157.4 |
| RUN CONF3ZEROFLW | 400 | 88.8 | 90.1 | 91.8 | 93.1 | 94.7 | 95.1 | 97.5 | 100.9 | 104.1 | 105.4 | 106.6 | 107.0 | 156.0 |
| TAPE X31520 | 500 | 88.3 | 90.3 | 92.6 | 92.6 | 94.7 | 95.3 | 97.0 | 100.6 | 104.4 | 105.4 | 106.4 | 106.6 | 153.0 |
| BAR 29.3 HG | 630 | 87.9 | 89.4 | 91.4 | 92.2 | 93.8 | 95.4 | 97.1 | 100.7 | 103.2 | 105.0 | 106.2 | 107.4 | 155.0 |
| (98975. N/R2) | 800 | 88.0 | 89.8 | 92.3 | 93.9 | 94.7 | 95.8 | 97.2 | 100.6 | 103.1 | 104.2 | 107.1 | 108.5 | 154.8 |
| TAMB 66. DEG F | 1000 | 87.2 | 89.7 | 92.5 | 93.8 | 95.4 | 97.0 | 98.1 | 100.3 | 102.8 | 103.9 | 106.8 | 109.2 | 155.3 |
| (292. DEG K) | 1250 | 87.4 | 88.9 | 90.8 | 93.0 | 95.3 | 96.4 | 98.3 | 100.5 | 102.3 | 103.4 | 105.6 | 107.9 | 155.5 |
| TWET 64. DEG F | 1600 | 86.0 | 89.1 | 90.7 | 92.7 | 95.5 | 95.6 | 97.0 | 100.4 | 102.2 | 102.3 | 104.3 | 107.4 | 154.9 |
| (291. DEG K) | 2000 | 84.0 | 87.8 | 90.1 | 92.1 | 94.2 | 95.0 | 96.6 | 98.6 | 100.6 | 101.3 | 103.0 | 106.3 | 154.3 |
| HACT14.56 GM/M3 | 2500 | 82.7 | 86.9 | 89.1 | 91.6 | 94.1 | 94.7 | 95.9 | 98.6 | 100.6 | 100.3 | 102.0 | 106.0 | 153.2 |
| (.07456 KG/M3) | 3150 | 80.4 | 85.2 | 87.8 | 89.2 | 93.5 | 93.3 | 95.1 | 96.7 | 99.6 | 98.6 | 100.2 | 103.6 | 152.9 |
| FREQ. SHIFT | 4000 | 76.3 | 83.8 | 85.7 | 88.0 | 90.7 | 91.5 | 92.2 | 94.5 | 97.5 | 96.3 | 98.9 | 100.5 | 151.4 |
| JET | 5000 | 77.7 | 83.8 | 85.9 | 87.6 | 91.1 | 91.1 | 92.3 | 94.4 | 96.7 | 94.2 | 96.9 | 100.6 | 149.3 |
| DIAMETER RATIO | 6300 | 74.6 | 81.1 | 84.9 | 86.5 | 89.1 | 89.4 | 90.1 | 92.9 | 94.7 | 92.8 | 95.4 | 97.8 | 148.8 |
| DF/DM 6.81 | 8000 | 72.0 | 77.5 | 81.9 | 82.5 | 85.1 | 85.7 | 86.7 | 89.0 | 90.2 | 88.8 | 92.0 | 94.1 | 147.4 |
| OVERALL CALCULATED | 10000 | 71.5 | 76.9 | 80.6 | 79.9 | 84.4 | 84.4 | 85.0 | 85.7 | 86.9 | 87.1 | 89.5 | 91.8 | 146.4 |
| | 12500 | 75.3 | 78.1 | 82.1 | 81.1 | 86.8 | 86.7 | 88.6 | 85.2 | 86.9 | 89.0 | 90.4 | 91.1 | 143.4 |
| | 16000 | 79.9 | 81.9 | 83.8 | 84.8 | 86.7 | 86.7 | 87.7 | 89.2 | 90.2 | 91.8 | 92.8 | 93.8 | 147.0 |
| | 20000 | 84.8 | 86.2 | 88.4 | 88.4 | 90.5 | 90.5 | 91.5 | 92.5 | 93.5 | 94.5 | 95.5 | 96.5 | 169.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **3** TEST POINT **3/52** ACOUSTIC RANGE **45.7m(150ft.) ARC** SIZE **FULL-.33m²(513in²)**

PROC. DATE - MONTH 8 DAY 24 HR. 12.1

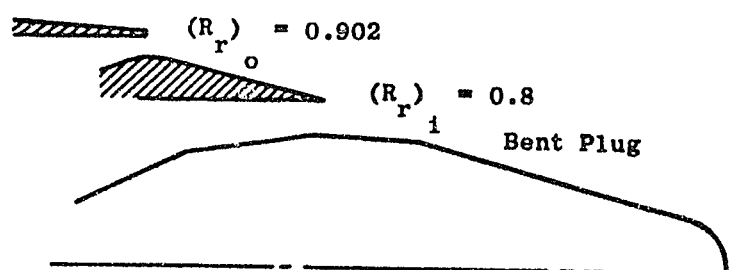
| FULL SIZE SOUND PRESSURE | | | | | | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|------|----|----|----|----|----|----|
| | | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | | | | | | | | | | | | |
| FREQ. | | | | | | | | | | | | | | | 40. | 50. | 60. | 70. | 80. | | | | | | | | | | | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
| | | | | | | | | | | | | | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | | | | | | |
| | | | | | | | | | | | | | | | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.00) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | | | | | | |
| NO EGA | | | | | | | | | | | | | | | 50 | 52.2 | 57.5 | 58.1 | 60.4 | 63.4 | 63.9 | 64.9 | 67.6 | 69.4 | 73.1 | 77.0 | 77.1 | 73.0 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| SIDELINE 2400. FT. | | | | | | | | | | | | | | | 63 | 54.4 | 57.7 | 60.6 | 61.4 | 63.1 | 64.4 | 65.6 | 68.9 | 71.8 | 76.1 | 80.2 | 78.6 | 74.4 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| (731.52 M) | | | | | | | | | | | | | | | 80 | 54.9 | 58.0 | 60.6 | 61.6 | 64.1 | 65.6 | 66.9 | 69.9 | 72.9 | 78.6 | 82.2 | 81.1 | 74.8 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| MFA | | | | | | | | | | | | | | | 100 | 56.1 | 59.5 | 61.4 | 63.7 | 65.9 | 66.9 | 68.4 | 71.7 | 74.9 | 79.6 | 83.7 | 83.0 | 75.9 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| (1. RPM | | | | | | | | | | | | | | | 125 | 58.8 | 60.9 | 63.1 | 64.8 | 66.9 | 68.1 | 69.9 | 72.6 | 76.3 | 81.0 | 85.6 | 82.6 | 76.2 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| (0. RAD/SEC) | | | | | | | | | | | | | | | 160 | 62.4 | 64.9 | 67.3 | 67.6 | 68.3 | 69.6 | 71.3 | 73.8 | 76.0 | 80.4 | 84.7 | 81.7 | 75.7 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| MFK | | | | | | | | | | | | | | | 200 | 59.8 | 63.5 | 66.7 | 68.3 | 69.3 | 71.1 | 72.5 | 75.0 | 77.0 | 80.6 | 83.1 | 81.6 | 74.4 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| (0. RAD/SEC) | | | | | | | | | | | | | | | 250 | 59.2 | 62.9 | 64.6 | 66.5 | 67.7 | 71.0 | 71.5 | 74.2 | 77.1 | 79.3 | 81.5 | 79.1 | 72.8 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| MFD | | | | | | | | | | | | | | | 315 | 59.6 | 62.9 | 65.7 | 66.0 | 68.3 | 70.1 | 71.8 | 74.8 | 76.4 | 78.3 | 79.4 | 76.7 | 68.9 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| (785. RAD/SEC) | | | | | | | | | | | | | | | 400 | 58.8 | 62.0 | 65.0 | 67.1 | 69.2 | 69.7 | 71.9 | 74.9 | 77.2 | 77.3 | 76.6 | 74.3 | 66.0 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| AIRFLOW RATIO | | | | | | | | | | | | | | | 500 | 57.8 | 61.8 | 65.4 | 66.3 | 68.8 | 69.6 | 71.1 | 74.3 | 77.1 | 76.9 | 75.9 | 73.1 | 65.2 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| WF/WM 6.81 | | | | | | | | | | | | | | | 630 | 56.7 | 60.3 | 63.7 | 65.4 | 67.5 | 69.3 | 70.7 | 73.9 | 75.5 | 75.9 | 73.1 | 65.2 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. | |
| | | | | | | | | | | | | | | | 800 | 55.9 | 59.9 | 64.0 | 66.4 | 67.8 | 69.1 | 70.3 | 73.2 | 74.7 | 74.3 | 75.0 | 73.0 | 63.7 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| VEHICLE CELL41 | | | | | | | | | | | | | | | 1000 | 54.0 | 59.0 | 63.3 | 65.6 | 67.8 | 69.6 | 70.5 | 72.1 | 73.6 | 73.1 | 73.6 | 72.3 | 62.0 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| CONFIG MC41 | | | | | | | | | | | | | | | 1250 | 52.8 | 57.0 | 60.6 | 63.9 | 66.9 | 68.2 | 69.9 | 71.4 | 72.1 | 71.5 | 71.0 | 69.2 | 60.1 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | 1600 | 49.5 | 55.6 | 59.1 | 62.3 | 65.8 | 66.2 | 67.3 | 70.1 | 70.6 | 68.8 | 67.8 | 66.2 | 55.8 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| DATE 06-01-76 | | | | | | | | | | | | | | | 2000 | 45.2 | 52.3 | 56.8 | 60.2 | 63.0 | 64.1 | 65.4 | 66.7 | 67.3 | 65.9 | 64.2 | 62.1 | 49.8 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| RUN CONF3ZEROFLW | | | | | | | | | | | | | | | 2500 | 40.5 | 48.7 | 53.4 | 57.4 | 60.8 | 61.7 | 62.6 | 64.4 | 64.9 | 62.1 | 59.8 | 57.4 | 43.5 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| TAPE X31520 | | | | | | | | | | | | | | | 3150 | 32.9 | 42.5 | 48.1 | 51.4 | 56.7 | 56.9 | 58.3 | 58.9 | 59.9 | 55.9 | 52.7 | 48.1 | 30.5 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| FAN TIP SPEED | | | | | | | | | | | | | | | 4000 | 22.7 | 34.4 | 40.1 | 44.8 | 48.8 | 50.0 | 50.3 | 51.3 | 51.9 | 46.9 | 43.3 | 34.4 | 11.8 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| FT/SEC | | | | | | | | | | | | | | | 5000 | 17.4 | 30.4 | 36.9 | 41.3 | 46.3 | 46.7 | 47.5 | 48.1 | 47.7 | 40.9 | 36.6 | 28.5 | 1.9 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. |
| | | | | | | | | | | | | | | | 6300 | 0.6 | 16.3 | 25.9 | 30.9 | 35.3 | 36.3 | 36.5 | 37.3 | 35.7 | 28.0 | 21.3 | 7.8 | | | | | | 0. | 0. | 0. | 0. | 0. | 0. | |
| | | | | | | | | | | | | | | | 8000 | | | 7.4 | 12.8 | 18.0 | 19.4 | 19.5 | 19.3 | 15.7 | | | | | | | | | 0. | 0. | 0. | 0. | 0. | 0. | |
| | | | | | | | | | | | | | | | 10000 | | | | | | | | | | | | | | | | | | 0. | 0. | 0. | 0. | 0. | 0. | |
| | | | | | | | | | | | | | | | 12500 | | | | | | | | | | | | | | | | | | 0. | 0. | 0. | 0. | 0. | 0. | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 3 | 3/52 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

6.4 Acoustic Data

- Coannular Configuration 4



$$A^0 = 11.057 \text{ in.}^2$$

$$A_T = A^0 + A^i = 22.407 \text{ in.}^2$$

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROG. DATE - MONTH 8 DAY 27 HR. 11.9

PRECEDING PAGE BLANK NOT FILMED

| FREQ. | PRESSURE LEVELS (SP. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PWL | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|--|--|--|--|--|--|--|--|--|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | | | | | | | | | | |
| 50 | (0.70) | (0.87) | (1.03) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.13) | (3.30) | (3.47) | (3.64) | (3.81) | (3.98) | | | | | | | | | | |
| 63 | 74.9 | 83.9 | 81.2 | 82.7 | 84.3 | 83.9 | 84.3 | 84.7 | 85.7 | 87.2 | 87.2 | 91.4 | 91.1 | 93.9 | 128.8 | | | | | | | | | | | | | | | |
| 80 | 74.9 | 78.4 | 79.1 | 81.4 | 82.7 | 83.9 | 84.7 | 86.2 | 86.7 | 87.2 | 87.2 | 91.4 | 91.1 | 93.9 | 129.1 | | | | | | | | | | | | | | | |
| 100 | 73.6 | 76.9 | 79.9 | 80.0 | 80.8 | 81.2 | 81.8 | 83.2 | 84.6 | 85.9 | 87.2 | 91.4 | 91.1 | 93.9 | 130.4 | | | | | | | | | | | | | | | |
| 125 | 74.6 | 77.3 | 79.3 | 80.3 | 80.9 | 81.2 | 81.8 | 83.2 | 84.6 | 85.9 | 87.2 | 91.4 | 91.1 | 93.9 | 130.4 | | | | | | | | | | | | | | | |
| 160 | 76.5 | 79.1 | 80.6 | 81.7 | 83.1 | 83.5 | 84.8 | 86.6 | 88.9 | 90.9 | 92.5 | 95.0 | 101.0 | 104.1 | 105.4 | 136.2 | | | | | | | | | | | | | | |
| 200 | 75.8 | 79.1 | 80.6 | 81.7 | 83.1 | 83.5 | 84.8 | 86.6 | 88.9 | 90.9 | 92.5 | 95.0 | 101.0 | 104.1 | 105.4 | 136.2 | | | | | | | | | | | | | | |
| 250 | 77.2 | 81.7 | 83.0 | 83.5 | 84.6 | 85.7 | 86.8 | 88.9 | 90.9 | 92.5 | 95.0 | 101.0 | 104.1 | 105.4 | 105.4 | 139.5 | | | | | | | | | | | | | | |
| 315 | 78.7 | 81.0 | 83.0 | 83.5 | 84.6 | 85.7 | 86.8 | 88.9 | 90.9 | 92.5 | 95.0 | 101.0 | 104.1 | 105.4 | 105.4 | 140.7 | | | | | | | | | | | | | | |
| 400 | 79.5 | 81.3 | 82.5 | 83.8 | 84.9 | 86.5 | 88.2 | 90.8 | 92.5 | 95.0 | 98.9 | 104.1 | 107.5 | 106.8 | 140.7 | | | | | | | | | | | | | | | |
| 500 | 80.6 | 82.6 | 83.6 | 84.7 | 86.3 | 87.4 | 89.5 | 92.2 | 94.9 | 98.7 | 104.2 | 107.4 | 106.4 | 140.7 | | | | | | | | | | | | | | | | |
| 630 | 81.6 | 83.9 | 84.4 | 86.2 | 87.8 | 88.4 | 90.5 | 93.5 | 96.2 | 99.7 | 104.2 | 106.9 | 106.4 | 140.7 | | | | | | | | | | | | | | | | |
| 800 | 84.0 | 85.2 | 86.0 | 86.8 | 88.1 | 89.5 | 91.6 | 93.8 | 95.7 | 100.1 | 102.8 | 103.7 | 104.5 | 139.2 | | | | | | | | | | | | | | | | |
| 1000 | 83.3 | 85.3 | 86.6 | 87.4 | 88.5 | 89.8 | 91.7 | 94.1 | 97.1 | 99.7 | 101.4 | 102.3 | 102.1 | 138.3 | | | | | | | | | | | | | | | | |
| 1250 | 83.6 | 86.2 | 87.2 | 89.2 | 90.6 | 91.7 | 92.1 | 94.0 | 97.2 | 100.0 | 100.7 | 100.4 | 100.2 | 137.9 | | | | | | | | | | | | | | | | |
| 1600 | 83.2 | 85.2 | 86.7 | 87.8 | 89.6 | 90.5 | 92.4 | 95.0 | 96.5 | 99.6 | 99.3 | 98.4 | 96.7 | 136.9 | | | | | | | | | | | | | | | | |
| 2000 | 83.5 | 86.1 | 87.4 | 87.9 | 89.2 | 89.8 | 91.7 | 94.6 | 97.1 | 98.2 | 98.1 | 96.8 | 94.3 | 136.1 | | | | | | | | | | | | | | | | |
| 2500 | 83.5 | 86.3 | 87.8 | 89.4 | 89.9 | 90.6 | 92.7 | 95.4 | 97.3 | 98.4 | 97.6 | 96.0 | 92.8 | 136.1 | | | | | | | | | | | | | | | | |
| 3150 | 83.0 | 85.1 | 88.1 | 88.6 | 90.5 | 91.3 | 92.7 | 95.9 | 97.1 | 97.7 | 96.4 | 95.1 | 91.8 | 135.8 | | | | | | | | | | | | | | | | |
| 4000 | 82.7 | 85.2 | 87.0 | 88.5 | 89.1 | 91.0 | 92.6 | 95.3 | 96.8 | 97.1 | 96.3 | 95.0 | 92.2 | 135.9 | | | | | | | | | | | | | | | | |
| 5000 | 81.2 | 84.8 | 86.6 | 87.3 | 89.9 | 91.3 | 93.4 | 94.8 | 96.6 | 96.9 | 95.9 | 95.5 | 93.5 | 135.7 | | | | | | | | | | | | | | | | |
| 6300 | 80.7 | 83.3 | 84.9 | 87.4 | 89.0 | 90.6 | 92.7 | 94.6 | 96.4 | 96.5 | 95.7 | 95.3 | 93.6 | 135.5 | | | | | | | | | | | | | | | | |
| 8000 | 78.6 | 83.0 | 84.3 | 86.3 | 88.9 | 89.2 | 91.9 | 93.8 | 96.1 | 96.0 | 94.6 | 95.2 | 94.0 | 135.5 | | | | | | | | | | | | | | | | |
| 10000 | 76.8 | 81.0 | 82.6 | 85.3 | 87.1 | 88.0 | 91.4 | 91.7 | 93.6 | 93.3 | 92.7 | 93.0 | 92.5 | 134.6 | | | | | | | | | | | | | | | | |
| 12500 | 75.5 | 80.0 | 81.2 | 84.6 | 86.9 | 86.8 | 90.4 | 90.4 | 92.7 | 91.2 | 89.8 | 92.8 | 91.5 | 134.2 | | | | | | | | | | | | | | | | |
| 16000 | 73.4 | 77.5 | 79.8 | 82.7 | 86.5 | 85.6 | 89.0 | 87.3 | 90.3 | 87.9 | 85.7 | 88.2 | 89.6 | 132.2 | | | | | | | | | | | | | | | | |
| 20000 | 71.7 | 76.9 | 78.8 | 82.4 | 85.6 | 86.3 | 87.9 | 88.0 | 89.6 | 84.2 | 82.8 | 82.9 | 86.0 | 132.5 | | | | | | | | | | | | | | | | |
| 25000 | 70.6 | 74.2 | 79.3 | 83.3 | 86.3 | 87.3 | 91.2 | 90.3 | 91.1 | 84.3 | 79.8 | 83.5 | 82.5 | 130.2 | | | | | | | | | | | | | | | | |
| 31500 | 64.2 | 69.7 | 74.0 | 76.5 | 80.1 | 81.9 | 83.6 | 84.5 | 86.2 | 80.8 | 76.1 | 77.8 | 72.4 | 134.1 | | | | | | | | | | | | | | | | |
| 40000 | 54.6 | 60.7 | 64.8 | 67.6 | 68.8 | 70.9 | 73.6 | 74.1 | 76.3 | 72.0 | 68.4 | 68.2 | 67.9 | 127.9 | | | | | | | | | | | | | | | | |
| 50000 | 48.9 | 51.5 | 56.8 | 58.3 | 60.4 | 62.5 | 63.9 | 65.3 | 67.3 | 62.1 | 56.7 | 57.5 | 58.6 | 125.1 | | | | | | | | | | | | | | | | |
| 63000 | 40.1 | 44.5 | 50.5 | 50.0 | 54.0 | 56.9 | 58.3 | 57.4 | 60.0 | 54.9 | 51.1 | 47.8 | 50.6 | 127.5 | | | | | | | | | | | | | | | | |
| 80000 | 94.5 | 97.3 | 98.6 | 100.1 | 101.7 | 102.7 | 104.7 | 106.7 | 108.7 | 110.8 | 113.4 | 115.4 | 115.2 | | | | | | | | | | | | | | | | | |
| OVERALL MEASURED | 107.3 | 110.0 | 111.6 | 112.8 | 114.1 | 115.1 | 116.7 | 119.4 | 121.2 | 122.9 | 123.8 | 124.1 | 123.3 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PNDB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 440 ACoustic RANGE 12.2m(40ft.) ARC SIZE MODEL-145cm²(22.4in²)

| | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | 0. | | | | | | | | | | | | | |
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 4/40 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 49.7 | 54.6 | 57.2 | 57.9 | 59.5 | 61.0 | 63.7 | 65.2 | 65.7 | 68.9 | 73.8 | 73.7 | 71.6 | | | | |
| SIDELINE 2400. FT. | | 63 | 51.0 | 57.1 | 56.7 | 60.0 | 62.5 | 63.3 | 64.3 | 66.2 | 67.5 | 70.4 | 74.8 | 75.7 | 73.5 | | | | |
| (731.52 M) | | 80 | 52.5 | 56.3 | 59.4 | 60.7 | 62.2 | 63.5 | 64.5 | 67.2 | 68.9 | 72.9 | 77.5 | 77.2 | 73.6 | | | | |
| NFA | | 100 | 53.2 | 56.6 | 59.0 | 61.0 | 62.5 | 64.3 | 65.7 | 68.0 | 70.0 | 74.2 | 77.8 | 78.8 | 74.5 | | | | |
| 1. RPM | | 125 | 54.2 | 57.8 | 60.0 | 61.7 | 63.8 | 65.0 | 67.0 | 69.2 | 71.2 | 73.9 | 77.7 | 78.5 | 73.9 | | | | |
| (0. RAD/SEC) | | 160 | 55.0 | 58.9 | 60.6 | 63.1 | 65.2 | 65.9 | 67.9 | 70.4 | 72.4 | 74.8 | 77.6 | 77.8 | 73.5 | | | | |
| NFK | | 200 | 57.1 | 60.1 | 62.0 | 63.6 | 65.4 | 66.9 | 68.9 | 70.6 | 71.8 | 74.9 | 75.9 | 74.4 | 71.2 | | | | |
| (0. RAD/SEC) | | 250 | 56.2 | 60.0 | 62.4 | 64.0 | 65.5 | 67.1 | 68.8 | 70.8 | 72.9 | 74.3 | 74.3 | 72.6 | 68.3 | | | | |
| NFD 7500. RPM | | 315 | 56.2 | 60.6 | 62.8 | 65.6 | 67.4 | 68.7 | 68.9 | 70.4 | 72.8 | 74.4 | 73.3 | 70.3 | 65.8 | | | | |
| (785. RAD/SEC) | | 400 | 55.3 | 59.2 | 62.0 | 63.9 | 66.2 | 67.2 | 69.0 | 71.2 | 71.8 | 73.6 | 71.4 | 67.8 | 61.5 | | | | |
| AIRFLOW RATIO | | 500 | 55.2 | 59.7 | 62.3 | 63.7 | 65.5 | 66.3 | 68.0 | 70.4 | 72.0 | 71.8 | 69.8 | 65.5 | 58.1 | | | | |
| WF/W 4.78 | | 630 | 54.5 | 59.4 | 62.3 | 64.7 | 65.8 | 66.6 | 68.6 | 70.7 | 71.8 | 71.5 | 68.6 | 63.9 | 55.3 | | | | |
| VEHICLE | | 800 | 53.2 | 57.4 | 62.0 | 63.4 | 65.8 | 66.9 | 68.1 | 70.7 | 71.0 | 70.1 | 66.5 | 61.8 | 52.7 | | | | |
| CELL41 | | 1000 | 51.7 | 56.7 | 60.1 | 62.6 | 63.8 | 65.8 | 67.3 | 69.4 | 69.8 | 68.6 | 65.4 | 60.3 | 51.0 | | | | |
| CONFIG | | 1250 | 49.0 | 53.2 | 58.8 | 60.6 | 63.8 | 65.4 | 67.3 | 68.1 | 68.8 | 67.4 | 63.7 | 59.2 | 49.8 | | | | |
| NC56 | | 1600 | 46.7 | 52.3 | 55.8 | 59.5 | 61.8 | 63.6 | 65.5 | 66.8 | 67.3 | 65.5 | 61.7 | 56.6 | 46.3 | | | | |
| LOC C41 ANECH CH | | 2000 | 42.6 | 50.3 | 53.8 | 57.1 | 60.5 | 61.1 | 63.5 | 64.6 | 65.5 | 63.3 | 58.6 | 53.8 | 42.5 | | | | |
| DATE 06-14-76 | | 2500 | 37.7 | 45.8 | 49.9 | 54.2 | 56.9 | 58.1 | 61.2 | 60.6 | 60.9 | 58.1 | 53.6 | 47.5 | 34.9 | | | | |
| RUN CONF4HIGHFLW | | 3150 | 31.6 | 40.9 | 45.2 | 50.5 | 53.8 | 54.0 | 57.3 | 56.3 | 56.7 | 52.1 | 45.9 | 40.9 | 24.2 | | | | |
| TAPE X04400 | | 4000 | 22.2 | 32.4 | 38.6 | 43.9 | 48.9 | 48.6 | 51.6 | 48.4 | 49.1 | 42.7 | 34.4 | 26.5 | 7.5 | | | | |
| FAN TIP SPEED | | 5000 | 17.0 | 29.2 | 35.4 | 41.6 | 46.3 | 47.5 | 48.6 | 47.3 | 46.2 | 36.4 | 28.1 | 16.4 | | | | | |
| FT/SEC | | 6300 | 3.8 | 18.6 | 27.4 | 34.9 | 39.8 | 41.4 | 44.7 | 41.9 | 39.2 | 26.7 | 13.0 | 0.5 | | | | | |
| | | 8000 | | | 9.0 | 16.3 | 22.5 | 25.2 | 28.0 | 24.3 | 21.3 | 8.0 | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 66.0 | 70.2 | 72.8 | 74.9 | 76.8 | 78.0 | 79.7 | 81.6 | 83.0 | 84.6 | 86.2 | 86.0 | 82.1 | | | | |
| PNDB | | | 69.8 | 75.1 | 78.2 | 81.1 | 83.7 | 84.9 | 86.9 | 88.1 | 89.1 | 89.1 | 88.3 | 86.5 | 80.8 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION γ TEST POINT γ_{40} ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL - 33m²(513in²)

MODEL SOUND PRESSURE LEVELS (SPL) 70 PERCENT REL. HUM. DAY - JEROTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-----|
| FEED. | (0.70) | (0.87) | (1.03) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 4 | 441B | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3) | | | | | | | | | | | | | |
| NO EGA
SIDELINE 2400. FT.
(731.52 M) | 50 | 52.2 | 57.3 | 59.9 | 60.2 | 62.5 | 64.2 | 66.5 | 67.7 | 68.2 | 71.9 | 76.5 | 77.7 | 75.3 | |
| | 63 | 53.5 | 59.9 | 59.0 | 62.2 | 65.8 | 66.5 | 67.8 | 69.0 | 70.5 | 73.9 | 78.6 | 80.0 | 77.3 | |
| | 80 | 55.7 | 58.8 | 61.9 | 63.0 | 65.2 | 66.2 | 67.5 | 69.7 | 72.2 | 76.2 | 81.0 | 81.7 | 78.1 | |
| | 100 | 56.2 | 59.3 | 61.5 | 63.2 | 65.5 | 67.0 | 68.5 | 70.7 | 72.7 | 78.2 | 82.5 | 83.1 | 78.8 | |
| | 125 | 57.4 | 60.6 | 62.0 | 64.2 | 66.8 | 68.0 | 70.0 | 71.7 | 74.5 | 77.4 | 82.7 | 84.3 | 78.6 | |
| NFA
(1. RPM
0. RAD/SEC) | 160 | 59.0 | 61.4 | 63.6 | 66.1 | 68.2 | 69.7 | 70.9 | 72.9 | 75.6 | 79.0 | 83.1 | 83.8 | 79.0 | |
| | 200 | 61.9 | 64.1 | 66.8 | 67.6 | 68.9 | 70.4 | 71.6 | 73.6 | 75.5 | 79.4 | 81.4 | 82.1 | 78.2 | |
| | 250 | 61.0 | 63.0 | 66.4 | 67.3 | 69.3 | 70.8 | 72.0 | 74.5 | 76.4 | 79.1 | 80.5 | 81.9 | 77.1 | |
| | 315 | 60.0 | 63.6 | 64.8 | 68.1 | 69.7 | 71.0 | 71.4 | 73.9 | 76.1 | 78.4 | 78.6 | 79.6 | 75.5 | |
| | 400 | 60.1 | 62.7 | 65.5 | 66.9 | 69.5 | 70.5 | 72.5 | 74.4 | 75.8 | 77.8 | 76.7 | 76.8 | 72.0 | |
| NFD
(785. RAD/SEC) | 500 | 61.2 | 64.7 | 66.5 | 67.2 | 69.3 | 70.5 | 71.8 | 74.2 | 76.3 | 76.3 | 74.8 | 74.0 | 68.6 | |
| | 630 | 62.0 | 64.4 | 66.8 | 68.7 | 70.6 | 70.4 | 71.8 | 74.0 | 75.5 | 76.0 | 73.6 | 71.4 | 66.3 | |
| | 800 | 60.7 | 63.7 | 66.5 | 67.4 | 69.3 | 70.1 | 71.3 | 74.2 | 74.2 | 74.3 | 71.0 | 68.8 | 63.2 | |
| | 1000 | 59.0 | 62.7 | 65.1 | 67.4 | 68.8 | 69.8 | 71.0 | 73.4 | 74.6 | 72.6 | 69.9 | 67.5 | 61.5 | |
| | 1250 | 57.0 | 62.0 | 64.5 | 66.4 | 68.8 | 69.6 | 71.3 | 72.1 | 74.0 | 71.6 | 68.7 | 66.2 | 59.0 | |
| VEHICLE
CONFIG NC56 | 1600 | 54.5 | 59.0 | 62.0 | 65.0 | 67.5 | 68.4 | 69.8 | 71.3 | 72.3 | 70.5 | 66.7 | 63.6 | 55.3 | |
| | 2000 | 50.8 | 57.3 | 60.3 | 62.9 | 66.5 | 66.1 | 68.0 | 68.9 | 70.3 | 68.0 | 63.8 | 61.0 | 50.5 | |
| | 2500 | 45.7 | 53.6 | 56.7 | 60.0 | 62.9 | 62.8 | 65.2 | 65.1 | 65.9 | 63.9 | 59.6 | 54.8 | 42.6 | |
| | 3150 | 39.4 | 48.7 | 52.7 | 56.5 | 59.6 | 59.0 | 61.8 | 60.5 | 61.9 | 57.8 | 52.7 | 46.7 | 30.9 | |
| | 4000 | 29.7 | 40.4 | 45.3 | 49.8 | 54.9 | 53.9 | 56.4 | 52.9 | 53.6 | 48.5 | 41.9 | 34.0 | 14.0 | |
| TAPE
X04410 | 5000 | 25.8 | 36.5 | 41.9 | 48.1 | 52.8 | 52.5 | 52.8 | 50.8 | 49.2 | 41.9 | 36.3 | 24.4 | 3.1 | |
| | 6300 | 12.3 | 25.8 | 33.7 | 41.1 | 46.6 | 47.2 | 48.7 | 43.4 | 39.4 | 29.5 | 20.0 | 8.0 | | |
| | 8000 | | 4.8 | 16.7 | 24.6 | 30.3 | 32.2 | 35.0 | 29.6 | 24.3 | 12.9 | | | | |
| | 10000 | | | | | 4.2 | 7.2 | 8.1 | 4.4 | | | | | | |
| | 12500 | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 16000 | | | | | | | | | | | | | | |
| | PNDB | 71.2 | 74.4 | 76.8 | 78.5 | 80.6 | 81.6 | 83.0 | 85.0 | 86.7 | 88.7 | 91.0 | 91.9 | 87.5 | |
| | | 76.3 | 80.5 | 83.4 | 85.9 | 88.8 | 89.2 | 90.9 | 92.1 | 93.4 | 93.6 | 93.6 | 93.7 | 88.4 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **4** TEST POINT **441** ACUSTIC RANGE **731.5m(2400ft.)** SIDELINE **FULL-33m²(513in²)** SIZE

PROC. DATE - MONTH 8 DAY 27 HR. 11.9
F. 70 PERCENT REL. HUM. DAY - JENOTS

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIAN) 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000. 1010. 1020. 1030. 1040. 1050. 1060. 1070. 1080. 1090. 1100. 1110. 1120. 1130. 1140. 1150. 1160. 1170. 1180. 1190. 1200. 1210. 1220. 1230. 1240. 1250. 1260. 1270. 1280. 1290. 1300. 1310. 1320. 1330. 1340. 1350. 1360. 1370. 1380. 1390. 1400. 1410. 1420. 1430. 1440. 1450. 1460. 1470. 1480. 1490. 1500. 1510. 1520. 1530. 1540. 1550. 1560. 1570. 1580. 1590. 1600. 1610. 1620. 1630. 1640. 1650. 1660. 1670. 1680. 1690. 1700. 1710. 1720. 1730. 1740. 1750. 1760. 1770. 1780. 1790. 1800. 1810. 1820. 1830. 1840. 1850. 1860. 1870. 1880. 1890. 1900. 1910. 1920. 1930. 1940. 1950. 1960. 1970. 1980. 1990. 2000. 2010. 2020. 2030. 2040. 2050. 2060. 2070. 2080. 2090. 2100. 2110. 2120. 2130. 2140. 2150. 2160. 2170. 2180. 2190. 2200. 2210. 2220. 2230. 2240. 2250. 2260. 2270. 2280. 2290. 2300. 2310. 2320. 2330. 2340. 2350. 2360. 2370. 2380. 2390. 2400. 2410. 2420. 2430. 2440. 2450. 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540. 2550. 2560. 2570. 2580. 2590. 2600. 2610. 2620. 2630. 2640. 2650. 2660. 2670. 2680. 2690. 2700. 2710. 2720. 2730. 2740. 2750. 2760. 2770. 2780. 2790. 2800. 2810. 2820. 2830. 2840. 2850. 2860. 2870. 2880. 2890. 2900. 2910. 2920. 2930. 2940. 2950. 2960. 2970. 2980. 2990. 3000. 3010. 3020. 3030. 3040. 3050. 3060. 3070. 3080. 3090. 3100. 3110. 3120. 3130. 3140. 3150. 3160. 3170. 3180. 3190. 3200. 3210. 3220. 3230. 3240. 3250. 3260. 3270. 3280. 3290. 3300. 3310. 3320. 3330. 3340. 3350. 3360. 3370. 3380. 3390. 3400. 3410. 3420. 3430. 3440. 3450. 3460. 3470. 3480. 3490. 3500. 3510. 3520. 3530. 3540. 3550. 3560. 3570. 3580. 3590. 3600. 3610. 3620. 3630. 3640. 3650. 3660. 3670. 3680. 3690. 3700. 3710. 3720. 3730. 3740. 3750. 3760. 3770. 3780. 3790. 3800. 3810. 3820. 3830. 3840. 3850. 3860. 3870. 3880. 3890. 3900. 3910. 3920. 3930. 3940. 3950. 3960. 3970. 3980. 3990. 4000. 4010. 4020. 4030. 4040. 4050. 4060. 4070. 4080. 4090. 4100. 4110. 4120. 4130. 4140. 4150. 4160. 4170. 4180. 4190. 4200. 4210. 4220. 4230. 4240. 4250. 4260. 4270. 4280. 4290. 4300. 4310. 4320. 4330. 4340. 4350. 4360. 4370. 4380. 4390. 4400. 4410. 4420. 4430. 4440. 4450. 4460. 4470. 4480. 4490. 4500. 4510. 4520. 4530. 4540. 4550. 4560. 4570. 4580. 4590. 4600. 4610. 4620. 4630. 4640. 4650. 4660. 4670. 4680. 4690. 4700. 4710. 4720. 4730. 4740. 4750. 4760. 4770. 4780. 4790. 4800. 4810. 4820. 4830. 4840. 4850. 4860. 4870. 4880. 4890. 4900. 4910. 4920. 4930. 4940. 4950. 4960. 4970. 4980. 4990. 5000. 5010. 5020. 5030. 5040. 5050. 5060. 5070. 5080. 5090. 5100. 5110. 5120. 5130. 5140. 5150. 5160. 5170. 5180. 5190. 5200. 5210. 5220. 5230. 5240. 5250. 5260. 5270. 5280. 5290. 5300. 5310. 5320. 5330. 5340. 5350. 5360. 5370. 5380. 5390. 5400. 5410. 5420. 5430. 5440. 5450. 5460. 5470. 5480. 5490. 5500. 5510. 5520. 5530. 5540. 5550. 5560. 5570. 5580. 5590. 5600. 5610. 5620. 5630. 5640. 5650. 5660. 5670. 5680. 5690. 5700. 5710. 5720. 5730. 5740. 5750. 5760. 5770. 5780. 5790. 5800. 5810. 5820. 5830. 5840. 5850. 5860. 5870. 5880. 5890. 5900. 5910. 5920. 5930. 5940. 5950. 5960. 5970. 5980. 5990. 6000. 6010. 6020. 6030. 6040. 6050. 6060. 6070. 6080. 6090. 6100. 6110. 6120. 6130. 6140. 6150. 6160. 6170. 6180. 6190. 6200. 6210. 6220. 6230. 6240. 6250. 6260. 6270. 6280. 6290. 6300. 6310. 6320. 6330. 6340. 6350. 6360. 6370. 6380. 6390. 6400. 6410. 6420. 6430. 6440. 6450. 6460. 6470. 6480. 6490. 6500. 6510. 6520. 6530. 6540. 6550. 6560. 6570. 6580. 6590. 6600. 6610. 6620. 6630. 6640. 6650. 6660. 6670. 6680. 6690. 6700. 6710. 6720. 6730. 6740. 6750. 6760. 6770. 6780. 6790. 6800. 6810. 6820. 6830. 6840. 6850. 6860. 6870. 6880. 6890. 6900. 6910. 6920. 6930. 6940. 6950. 6960. 6970. 6980. 6990. 7000. 7010. 7020. 7030. 7040. 7050. 7060. 7070. 7080. 7090. 7100. 7110. 7120. 7130. 7140. 7150. 7160. 7170. 7180. 7190. 7200. 7210. 7220. 7230. 7240. 7250. 7260. 7270. 7280. 7290. 7300. 7310. 7320. 7330. 7340. 7350. 7360. 7370. 7380. 7390. 7400. 7410. 7420. 7430. 7440. 7450. 7460. 7470. 7480. 7490. 7500. 7510. 7520. 7530. 7540. 7550. 7560. 7570. 7580. 7590. 7600. 7610. 7620. 7630. 7640. 7650. 7660. 7670. 7680. 7690. 7700. 7710. 7720. 7730. 7740. 7750. 7760. 7770. 7780. 7790. 7800. 7810. 7820. 7830. 7840. 7850. 7860. 7870. 7880. 7890. 7900. 7910. 7920. 7930. 7940. 7950. 7960. 7970. 7980. 7990. 8000. 8010. 8020. 8030. 8040. 8050. 8060. 8070. 8080. 8090. 8100. 8110. 8120. 8130. 8140. 8150. 8160. 8170. 8180. 8190. 8200. 8210. 8220. 8230. 8240. 8250. 8260. 8270. 8280. 8290. 8300. 8310. 8320. 8330. 8340. 8350. 8360. 8370. 8380. 8390. 8400. 8410. 8420. 8430. 8440. 8450. 8460. 8470. 8480. 8490. 8500. 8510. 8520. 8530. 8540. 8550. 8560. 8570. 8580. 8590. 8600. 8610. 8620. 8630. 8640. 8650. 8660. 8670. 8680. 8690. 8700. 8710. 8720. 8730. 8740. 8750. 8760. 8770. 8780. 8790. 8800. 8810. 8820. 8830. 8840. 8850. 8860. 8870. 8880. 8890. 8900. 8910. 8920. 8930. 8940. 8950. 8960. 8970. 8980. 8990. 9000. 9010. 9020. 9030. 9040. 9050. 9060. 9070. 9080. 9090. 9100. 9110. 9120. 9130. 9140. 9150. 9160. 9170. 9180. 9190. 9200. 9210. 9220. 9230. 9240. 9250. 9260. 9270. 9280. 9290. 9300. 9310. 9320. 9330. 9340. 9350. 9360. 9370. 9380. 9390. 9400. 9410. 9420. 9430. 9440. 9450. 9460. 9470. 9480. 9490. 9500. 9510. 9520. 9530. 9540. 9550. 9560. 9570. 9580. 9590. 9600. 9610. 9620. 9630. 9640. 9650. 9660. 9670. 9680. 9690. 9700. 9710. 9720. 9730. 9740. 9750. 9760. 9770. 9780. 9790. 9800. 9810. 9820. 9830. 9840. 9850. 9860. 9870. 9880. 9890. 9900. 9910. 9920. 9930. 9940. 9950. 9960. 9970. 9980. 9990. 10000. 10010. 10020. 10030. 10040. 10050. 10060. 10070. 10080. 10090. 10100. 10110. 10120. 10130. 10140. 10150. 10160. 10170. 10180. 10190. 10200. 10210. 10220. 10230. 10240. 10250. 10260. 10270. 10280. 10290. 10300. 10310. 10320. 10330. 10340. 10350. 10360. 10370. 10380. 10390. 10400. 10410. 10420. 10430. 10440. 10450. 10460. 10470. 10480. 10490. 10500. 10510. 10520. 10530. 10540. 10550. 10560. 10570. 10580. 10590. 10600. 10610. 10620. 10630. 10640. 10650. 10660. 10670. 10680. 10690. 10700. 10710. 10720. 10730. 10740. 10750. 10760. 10770. 10780. 10790. 10800. 10810. 10820. 10830. 10840. 10850. 10860. 10870. 10880. 10890. 10900. 10910. 10920. 10930. 10940. 10950. 10960. 10970. 10980. 10990. 11000. 11010. 11020. 11030. 11040. 11050. 11060. 11070. 11080. 11090. 11100. 11110. 11120. 11130. 11140. 11150. 11160. 11170. 11180. 11190. 11200. 11210. 11220. 11230. 11240. 11250. 11260. 11270. 11280. 11290. 11300. 11310. 11320. 11330. 11340. 11350. 11360. 11370. 11380. 11390. 11400. 11410. 11420. 11430. 11440. 11450. 11460. 11470. 11480. 11490. 11500. 11510. 11520. 11530. 11540. 11550. 11560. 11570. 11580. 11590. 11600. 11610. 11620. 11630. 11640. 11650. 11660. 11670. 11680. 11690. 11700. 11710. 11720. 11730. 11740. 11750. 11760. 11770. 11780. 11790. 11800. 11810. 11820. 11830. 11840. 11850. 11860. 11870. 11880. 11890. 11900. 11910. 11920. 11930. 11940. 11950. 11960. 11970. 11980. 11990. 12000. 12010. 12020. 12030. 12040. 12050. 12060. 12070. 12080. 12090. 12100. 12110. 12120. 12130. 12140. 12150. 12160. 12170. 12180. 12190. 12200. 12210. 12220. 12230. 12240. 12250. 12260. 12270. 12280. 12290. 12300. 12310. 12320. 12330. 12340. 12350. 12360. 12370. 12380. 12390. 12400. 12410. 12420. 12430. 12440. 12450. 12460. 12470. 12480. 12490. 12500. 12510. 12520. 12530. 12540. 12550. 12560. 12570. 12580. 12590. 12600. 12610. 12620. 12630. 12640. 12650. 12660. 12670. 12680. 12690. 12700. 12710. 12720. 12730. 12740. 12750. 12760. 12770. 12780. 12790. 12800. 12810. 12820. 12830. 12840. 12850. 12860. 12870. 12880. 12890. 12900. 12910. 12920. 12930. 12940. 12950. 12960. 12970. 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FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 8 DAY 27 HR. 12.2

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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 442 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 27 HR. 11.9
 F, 70 PERCENT REL. HUM. DAY - JEMOIS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| | | FREQ. | | | | | | | | | | | | | | 0. | | | | | | | | | | | | | |
|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **4** TEST POINT **443** ACOUSTIC RANGE **12.2m(40ft.) ARC**

SIZE

MODEL-145cm²(22.4in²)

343

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 4 | 443 | 45.7m(150ft.) ARC |

SIZE
FULL-33m²(513in²)

PROC. DATE - MONTH 8 DAY 27 HR. 12.2

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| FREQ. | 40. | | | | | 50. | | | | | 60. | | | | | 70. | | | | | 80. | | | | | 90. | | | | | 100. | | | | | 110. | | | | | 120. | | | | | 130. | | | | | 140. | | | | | 150. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (0.70) | (0.87) | (1.05) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 4 | 443 | 731.5m(2400ft.) SIDELINE | FULL - 33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-----|-----|-----|
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. | (0. | |
| 63 | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | |
| 100 | 79.6 | 87.9 | 85.2 | 86.7 | 88.5 | 88.2 | 88.5 | 89.2 | 89.2 | 90.2 | 91.5 | 95.2 | 95.4 | 98.9 | 133.1 | | | |
| 125 | 77.8 | 83.4 | 83.4 | 86.2 | 88.0 | 89.1 | 90.0 | 90.7 | 89.7 | 88.7 | 88.4 | 96.9 | 99.3 | 100.1 | 134.3 | | | |
| 160 | 78.4 | 80.4 | 84.7 | 84.5 | 85.3 | 85.2 | 85.3 | 87.5 | 88.7 | 88.7 | 93.2 | 97.9 | 99.9 | 102.9 | 135.1 | | | |
| 200 | 80.5 | 81.3 | 83.0 | 84.8 | 85.4 | 86.5 | 87.9 | 90.1 | 92.5 | 96.4 | 100.3 | 104.8 | 107.0 | 138.9 | | | | |
| 250 | 80.1 | 83.1 | 84.8 | 84.9 | 86.5 | 87.6 | 90.0 | 92.1 | 93.6 | 98.4 | 104.6 | 107.3 | 109.1 | 141.4 | | | | |
| 315 | 81.4 | 86.2 | 84.4 | 87.0 | 89.1 | 89.9 | 91.1 | 93.7 | 95.7 | 100.3 | 106.5 | 110.1 | 111.4 | 143.8 | | | | |
| 400 | 83.4 | 85.2 | 87.2 | 87.3 | 88.8 | 90.0 | 91.3 | 94.0 | 97.2 | 103.0 | 108.7 | 111.4 | 111.5 | 145.0 | | | | |
| 500 | 84.3 | 85.3 | 87.0 | 87.8 | 89.7 | 91.3 | 92.4 | 95.1 | 98.3 | 104.4 | 109.8 | 113.5 | 112.8 | 146.4 | | | | |
| 630 | 85.6 | 86.6 | 87.6 | 88.9 | 91.0 | 92.1 | 94.0 | 96.4 | 99.9 | 104.7 | 110.4 | 113.9 | 112.9 | 147.0 | | | | |
| 800 | 87.4 | 88.4 | 88.9 | 91.0 | 92.3 | 93.2 | 95.0 | 97.5 | 100.9 | 105.7 | 110.4 | 113.6 | 113.7 | 147.2 | | | | |
| 1000 | 90.0 | 91.2 | 91.7 | 92.0 | 93.4 | 94.7 | 96.1 | 98.8 | 101.5 | 105.6 | 108.8 | 112.5 | 113.2 | 146.3 | | | | |
| 1250 | 89.0 | 90.3 | 92.1 | 93.1 | 94.5 | 95.6 | 96.7 | 99.9 | 102.8 | 105.7 | 108.4 | 112.0 | 112.8 | 146.3 | | | | |
| 1600 | 89.4 | 90.9 | 91.5 | 93.0 | 94.3 | 96.2 | 97.1 | 99.5 | 102.7 | 106.0 | 107.0 | 110.9 | 111.9 | 145.6 | | | | |
| 2000 | 89.9 | 91.2 | 93.0 | 93.0 | 94.4 | 96.0 | 97.4 | 100.3 | 103.5 | 105.6 | 105.8 | 109.5 | 110.2 | 144.8 | | | | |
| 2500 | 93.1 | 92.6 | 93.4 | 93.4 | 95.0 | 96.1 | 97.5 | 100.4 | 103.9 | 105.2 | 105.2 | 108.8 | 108.8 | 144.4 | | | | |
| 3150 | 94.5 | 93.3 | 94.9 | 95.1 | 96.2 | 95.8 | 98.0 | 101.4 | 104.1 | 105.2 | 105.1 | 108.3 | 107.8 | 144.4 | | | | |
| 4000 | 93.0 | 94.1 | 95.1 | 95.2 | 96.0 | 96.6 | 98.2 | 101.9 | 103.4 | 105.2 | 103.4 | 107.6 | 106.9 | 144.0 | | | | |
| 5000 | 90.9 | 93.0 | 94.0 | 95.8 | 96.9 | 97.2 | 98.4 | 101.5 | 103.3 | 104.4 | 103.8 | 108.0 | 106.5 | 143.9 | | | | |
| 6300 | 89.5 | 92.3 | 94.1 | 94.6 | 97.0 | 98.3 | 99.7 | 101.6 | 103.9 | 103.5 | 103.7 | 107.3 | 106.1 | 143.9 | | | | |
| 8000 | 88.8 | 90.9 | 92.4 | 94.9 | 97.2 | 97.9 | 99.7 | 101.7 | 103.7 | 104.1 | 104.2 | 106.1 | 104.9 | 143.9 | | | | |
| 10000 | 86.9 | 91.3 | 92.3 | 93.6 | 96.9 | 96.5 | 98.6 | 101.3 | 103.6 | 103.0 | 102.9 | 105.3 | 103.8 | 143.5 | | | | |
| 12500 | 84.8 | 89.3 | 91.1 | 93.1 | 95.4 | 95.5 | 98.4 | 99.3 | 101.1 | 101.6 | 101.2 | 103.3 | 101.3 | 142.2 | | | | |
| 16000 | 83.5 | 88.3 | 90.0 | 93.2 | 94.9 | 94.8 | 97.4 | 97.7 | 100.2 | 99.5 | 98.8 | 101.3 | 99.3 | 141.5 | | | | |
| 20000 | 81.4 | 85.5 | 88.1 | 90.7 | 94.5 | 93.6 | 96.2 | 94.5 | 96.8 | 96.1 | 95.5 | 98.4 | 97.1 | 140.1 | | | | |
| 25000 | 79.2 | 83.9 | 85.5 | 89.3 | 92.6 | 92.8 | 93.6 | 93.2 | 94.8 | 92.4 | 93.7 | 93.6 | 93.9 | 139.2 | | | | |
| 31500 | 77.3 | 82.3 | 85.2 | 88.7 | 92.5 | 92.7 | 94.4 | 92.8 | 92.5 | 89.7 | 89.0 | 93.7 | 92.0 | 140.5 | | | | |
| 40000 | 70.8 | 76.0 | 80.6 | 83.4 | 86.8 | 87.8 | 90.5 | 88.4 | 89.1 | 87.4 | 85.5 | 88.7 | 86.6 | 139.4 | | | | |
| 50000 | 62.5 | 67.8 | 71.9 | 75.0 | 76.4 | 77.7 | 79.5 | 79.9 | 81.4 | 80.0 | 79.7 | 82.6 | 79.5 | 135.1 | | | | |
| 63000 | 55.3 | 59.1 | 64.6 | 66.9 | 68.4 | 70.4 | 70.9 | 71.9 | 73.4 | 72.6 | 72.9 | 73.8 | 71.4 | 133.5 | | | | |
| 80000 | 49.4 | 52.8 | 59.3 | 59.1 | 60.3 | 62.9 | 64.6 | 64.5 | 67.3 | 68.7 | 65.1 | 68.9 | 65.7 | 130.6 | | | | |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 102.2 | 104.0 | 105.0 | 106.1 | 108.0 | 108.6 | 110.3 | 112.5 | 115.0 | 117.1 | 119.7 | 123.1 | 123.2 | 158.1 | | | | |
| PNOB | 116.1 | 117.4 | 118.0 | 118.5 | 119.9 | 120.6 | 122.1 | 125.2 | 127.5 | 129.4 | 130.6 | 133.9 | 133.6 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT ACOUSTIC RANGE SIZE
 Y 444 12.2m(40ft.) ARC MODEL-145cm²(22.4in²)

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 27 HR. 12.2
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PWL | | | | | | | | | |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| NO EGA | 50 | 82.2 | 85.2 | 86.9 | 87.0 | 88.6 | 89.7 | 92.1 | 94.2 | 95.7 | 100.5 | 106.7 | 109.4 | 111.2 | 115.0 | 117.2 | 118.5 | 119.5 | 120.2 | 120.6 |
| RDG. NO. | 63 | 83.5 | 88.3 | 86.6 | 89.1 | 91.2 | 92.0 | 93.2 | 95.8 | 97.8 | 102.4 | 108.6 | 112.3 | 113.5 | 115.6 | 116.6 | 117.6 | 118.6 | 119.6 | 120.6 |
| RADIAL 150. FT. | 80 | 85.6 | 87.3 | 89.3 | 89.4 | 91.0 | 92.1 | 93.5 | 96.1 | 99.3 | 105.2 | 110.9 | 113.5 | 114.9 | 116.0 | 117.0 | 118.0 | 119.0 | 120.0 | 121.0 |
| (46. M) | 100 | 86.4 | 87.4 | 89.2 | 90.0 | 91.8 | 93.4 | 94.5 | 97.2 | 100.4 | 106.5 | 111.9 | 115.4 | 116.9 | 118.0 | 119.0 | 120.0 | 121.0 | 122.0 | 123.0 |
| VEHICLE CELL41 | 125 | 87.7 | 88.8 | 89.8 | 91.1 | 93.1 | 94.3 | 96.1 | 98.6 | 102.0 | 106.8 | 112.5 | 116.0 | 117.5 | 118.5 | 119.5 | 120.5 | 121.5 | 122.5 | 123.5 |
| CONFIG NC56 | 160 | 89.5 | 90.5 | 91.0 | 93.1 | 94.4 | 95.3 | 97.2 | 99.6 | 103.0 | 107.9 | 112.6 | 115.7 | 116.8 | 117.8 | 118.8 | 119.8 | 120.8 | 121.8 | 122.8 |
| LOC C41 ANECH CH | 200 | 92.1 | 93.4 | 93.9 | 94.2 | 95.3 | 96.6 | 97.7 | 98.8 | 100.2 | 103.6 | 107.7 | 110.9 | 112.4 | 113.4 | 114.4 | 115.4 | 116.4 | 117.4 | 118.4 |
| DATE 06-14-76 | 250 | 91.2 | 92.5 | 94.2 | 95.3 | 96.6 | 97.7 | 98.8 | 100.2 | 103.6 | 107.7 | 110.9 | 112.4 | 113.4 | 114.4 | 115.4 | 116.4 | 117.4 | 118.4 | 119.4 |
| RUN CONF4HIGHFLW | 315 | 91.5 | 93.1 | 93.6 | 95.1 | 96.5 | 98.1 | 99.5 | 102.4 | 105.6 | 108.0 | 107.9 | 111.6 | 112.4 | 113.4 | 114.4 | 115.4 | 116.4 | 117.4 | 118.4 |
| TAPE X04440 | 400 | 92.1 | 93.4 | 95.1 | 95.2 | 96.5 | 98.1 | 99.5 | 102.4 | 105.6 | 108.0 | 107.9 | 111.6 | 112.4 | 113.4 | 114.4 | 115.4 | 116.4 | 117.4 | 118.4 |
| BAR 29.4 HG | 500 | 95.2 | 94.8 | 95.5 | 95.6 | 97.1 | 98.3 | 99.6 | 102.6 | 106.0 | 107.4 | 107.3 | 111.0 | 111.0 | 112.0 | 113.0 | 114.0 | 115.0 | 116.0 | 117.0 |
| (99178. N/M2) | 630 | 96.7 | 97.5 | 97.0 | 97.3 | 98.4 | 98.0 | 100.2 | 103.6 | 106.0 | 107.4 | 107.3 | 111.0 | 111.0 | 112.0 | 113.0 | 114.0 | 115.0 | 116.0 | 117.0 |
| TAMB 86. DEG F | 800 | 95.3 | 96.3 | 97.4 | 97.4 | 98.2 | 98.8 | 100.2 | 103.6 | 106.0 | 107.4 | 107.3 | 111.0 | 111.0 | 112.0 | 113.0 | 114.0 | 115.0 | 116.0 | 117.0 |
| (303. DEG K) | 1000 | 93.2 | 95.2 | 96.3 | 98.0 | 99.1 | 99.5 | 100.6 | 103.8 | 105.5 | 106.6 | 106.1 | 110.2 | 108.7 | 109.1 | 109.8 | 110.2 | 110.7 | 111.1 | 111.5 |
| TWET 75. DEG F | 1250 | 91.8 | 94.7 | 96.5 | 97.0 | 99.3 | 100.7 | 102.0 | 104.0 | 106.2 | 105.8 | 106.0 | 109.6 | 108.4 | 109.1 | 109.8 | 110.2 | 110.7 | 111.1 | 111.5 |
| (297. DEG K) | 1600 | 91.3 | 93.4 | 94.9 | 97.4 | 99.7 | 100.4 | 102.2 | 104.2 | 106.2 | 105.8 | 106.0 | 109.6 | 108.4 | 109.1 | 109.8 | 110.2 | 110.7 | 111.1 | 111.5 |
| HACT18.45 GM/M3 | 2000 | 89.6 | 94.0 | 95.1 | 96.3 | 99.6 | 99.2 | 101.4 | 104.1 | 106.3 | 105.7 | 105.6 | 108.0 | 106.5 | 107.1 | 107.8 | 108.2 | 108.7 | 109.1 | 109.5 |
| (.01845 KG/M3) | 2500 | 87.8 | 92.3 | 94.2 | 96.2 | 98.5 | 98.6 | 101.5 | 102.3 | 104.2 | 104.3 | 104.3 | 106.4 | 104.3 | 105.1 | 105.8 | 106.2 | 106.7 | 107.1 | 107.5 |
| FREQ. SHIFT | 3150 | 87.2 | 91.9 | 93.6 | 96.8 | 98.6 | 98.4 | 101.1 | 101.3 | 103.9 | 103.1 | 102.5 | 105.0 | 102.9 | 103.7 | 104.1 | 104.6 | 105.1 | 105.6 | 106.1 |
| JET 7 | 4000 | 85.8 | 89.8 | 92.4 | 95.0 | 98.8 | 97.9 | 100.6 | 98.9 | 101.2 | 100.4 | 99.8 | 102.8 | 101.4 | 102.1 | 102.6 | 103.1 | 103.6 | 104.1 | 104.6 |
| DIAMETER RATIO | 5000 | 84.8 | 89.5 | 91.1 | 95.0 | 98.2 | 98.4 | 99.2 | 98.8 | 100.4 | 98.0 | 99.3 | 99.2 | 99.5 | 100.0 | 100.5 | 101.0 | 101.5 | 102.0 | 102.5 |
| DF/DM 4.78 | 6300 | 84.5 | 89.5 | 92.4 | 95.9 | 99.7 | 99.9 | 101.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.2 | 100.4 | 100.6 | 100.8 | 101.0 |
| OVERALL CALCULATED | 8000 | 80.4 | 85.6 | 90.1 | 93.0 | 96.3 | 97.3 | 100.1 | 97.9 | 98.6 | 96.9 | 95.0 | 98.3 | 96.1 | 97.1 | 97.6 | 98.1 | 98.6 | 99.1 | 99.6 |
| | 10000 | 75.1 | 80.4 | 84.5 | 87.6 | 89.0 | 90.3 | 92.1 | 92.5 | 94.0 | 92.6 | 92.3 | 95.2 | 92.1 | 93.1 | 93.6 | 94.1 | 94.6 | 95.1 | 95.6 |
| | 12500 | 72.3 | 76.2 | 81.6 | 83.9 | 85.5 | 87.4 | 88.0 | 88.9 | 90.4 | 89.9 | 90.0 | 90.8 | 88.4 | 89.4 | 89.9 | 90.4 | 90.9 | 91.4 | 91.9 |
| | 16000 | 72.8 | 76.2 | 82.7 | 82.5 | 83.7 | 86.3 | 88.0 | 87.9 | 90.7 | 92.1 | 88.5 | 92.3 | 89.1 | 90.1 | 90.6 | 91.1 | 91.6 | 92.1 | 92.6 |
| | | 104.5 | 106.3 | 107.5 | 108.8 | 110.9 | 111.5 | 113.3 | 115.1 | 117.5 | 119.4 | 121.8 | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 |
| | | 114.2 | 117.5 | 119.2 | 121.4 | 123.6 | 123.8 | 125.9 | 126.9 | 129.1 | 129.7 | 130.3 | 133.1 | 132.2 | 132.2 | 132.2 | 132.2 | 132.2 | 132.2 | 132.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 444 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m(513in²)

NO EGA
SIDELINE 2400. FT.
(731.52 M)

NFA 1. RPM
(0. RAD/SEC)

0. RAD/SEC
7500. RPM

AIRFLOW RATIO
WF/WH 4.78

VEHICLE
CONFIG

LOC C41 ANECH CH
DATE 06-14-76
RUN CONF4HIGHFLW

TAPE X04440
FAN TIP SPEED
FT/SEC

OVERALL CALCULATIONS

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 4 | 444 | 731.5m(2400ft.) | FULL - 33m ² (5910m ²) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE
MODEL-145cm²(22.4in²)

FULL SIZE SOUND PRESS

PROC. DATE - MONTH 8 DAY 27 HR. 12.2
ATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIAN)

| | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | PWL |
|------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| NO EGA | 50 | 84.4 | 87.9 | 89.7 | 89.2 | 90.8 | 91.9 | 94.3 | 96.5 | 98.2 | 103.0 | 109.7 | 112.7 | 114.2 | | | | 158.0 |
| RDG. NO. | 63 | 86.3 | 90.8 | 88.8 | 90.8 | 94.2 | 94.8 | 95.7 | 97.8 | 100.8 | 105.4 | 111.3 | 116.0 | 115.8 | | | | 160.3 |
| RADIAL 150. FT. | 80 | 88.3 | 89.8 | 92.1 | 91.6 | 94.0 | 94.3 | 96.0 | 98.9 | 101.8 | 108.4 | 114.6 | 117.0 | 116.8 | | | | 162.0 |
| (46. M) | 100 | 89.1 | 89.7 | 91.4 | 91.9 | 93.8 | 95.4 | 96.8 | 99.4 | 103.2 | 110.0 | 115.9 | 118.6 | 117.4 | | | | 163.2 |
| VEHICLE CELL41 | 125 | 90.5 | 91.8 | 92.5 | 93.3 | 95.9 | 96.8 | 98.4 | 101.0 | 104.8 | 110.6 | 117.0 | 119.5 | 118.0 | | | | 164.1 |
| CONFIG NC56 | 160 | 92.5 | 93.0 | 93.8 | 95.1 | 96.7 | 97.8 | 99.2 | 102.1 | 106.5 | 111.4 | 117.8 | 120.2 | 119.0 | | | | 165.0 |
| LOC C41 ANECH CH | 200 | 95.6 | 96.4 | 97.6 | 97.4 | 98.2 | 98.6 | 100.5 | 103.2 | 106.4 | 111.4 | 116.9 | 120.1 | 119.1 | | | | 164.8 |
| DATE 06-14-76 | 250 | 95.2 | 96.7 | 98.0 | 98.2 | 99.6 | 100.5 | 101.8 | 104.7 | 107.7 | 111.3 | 116.5 | 120.4 | 118.7 | | | | 164.8 |
| RUN CONF-HIGHFLW | 315 | 101.8 | 100.6 | 98.8 | 99.1 | 99.5 | 100.8 | 101.7 | 103.9 | 107.8 | 111.7 | 115.6 | 120.0 | 118.3 | | | | 164.5 |
| TAPE X04450 | 400 | 106.1 | 104.4 | 103.9 | 101.7 | 100.5 | 100.6 | 102.8 | 104.9 | 108.4 | 111.2 | 114.4 | 118.6 | 116.1 | | | | 163.6 |
| BAR 29.4 HG | 500 | 106.9 | 106.2 | 106.3 | 105.8 | 104.9 | 101.7 | 102.6 | 104.8 | 109.3 | 110.6 | 113.5 | 117.5 | 114.2 | | | | 163.2 |
| (99178. N/M2) | 630 | 105.0 | 105.5 | 105.8 | 105.6 | 107.1 | 105.2 | 103.9 | 106.0 | 109.5 | 111.1 | 113.6 | 116.5 | 113.5 | | | | 163.2 |
| TAMB 77. DEG F | 800 | 102.3 | 103.3 | 104.1 | 104.6 | 105.7 | 105.8 | 105.4 | 106.9 | 108.6 | 110.5 | 112.7 | 114.8 | 111.1 | | | | 162.2 |
| (298. DEG K) | 1000 | 101.4 | 103.5 | 103.5 | 104.8 | 104.6 | 105.2 | 106.4 | 108.0 | 109.5 | 110.4 | 112.5 | 113.7 | 110.7 | | | | 162.1 |
| TWET 70. DEG F | 1250 | 100.3 | 102.4 | 102.9 | 104.4 | 105.8 | 105.9 | 106.5 | 108.7 | 109.9 | 109.8 | 112.5 | 113.1 | 110.6 | | | | 162.1 |
| (294. DEG K) | 1600 | 98.7 | 100.8 | 101.6 | 103.6 | 105.7 | 105.8 | 106.5 | 108.4 | 110.4 | 110.0 | 112.2 | 112.1 | 109.3 | | | | 161.8 |
| HACT16.35 GM/M3 | 2000 | 97.1 | 101.0 | 101.3 | 103.3 | 105.4 | 104.7 | 106.9 | 108.3 | 110.6 | 110.0 | 111.1 | 111.5 | 108.7 | | | | 161.6 |
| (.01635 KG/M3) | 2500 | 95.8 | 98.8 | 100.4 | 102.4 | 103.7 | 104.1 | 106.2 | 106.8 | 108.9 | 108.1 | 108.3 | 109.6 | 107.3 | | | | 160.1 |
| FFREQ. SHIFT | 3150 | 94.7 | 97.4 | 99.3 | 102.0 | 104.1 | 104.2 | 107.1 | 106.6 | 108.3 | 106.8 | 106.7 | 109.2 | 106.2 | | | | 159.9 |
| JET 7 | 4000 | 92.5 | 96.1 | 97.9 | 100.1 | 103.6 | 102.7 | 106.1 | 104.3 | 105.7 | 104.4 | 104.8 | 107.0 | 104.9 | | | | 158.4 |
| DIAMETER RATIO | | | | | | | | | | | | | | | | | | |

YD

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 4 | 445 | 45.7m(150ft.) ARC |

SIZE

FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 27 HR. 12.2

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| 50 | NO EGA | 56.2 | 61.3 | 64.2 | 64.4 | 66.5 | 67.7 | 70.0 | 71.7 | 72.7 | 76.4 | 81.5 | 82.2 | 80.3 |
| 63 | SIDELINE 2400. FT. | 58.0 | 64.1 | 63.2 | 66.0 | 69.8 | 70.5 | 71.3 | 73.0 | 75.2 | 78.7 | 83.1 | 85.5 | 81.8 |
| 80 | (731.52 M) | 60.0 | 63.1 | 66.4 | 66.7 | 69.5 | 70.0 | 71.5 | 74.0 | 76.2 | 81.7 | 86.3 | 86.4 | 82.6 |
| 100 | NFA | 60.7 | 62.8 | 65.7 | 67.0 | 69.2 | 71.0 | 72.2 | 74.5 | 77.5 | 83.2 | 87.5 | 87.8 | 83.0 |
| 125 | (1. RPM | 61.9 | 64.8 | 66.7 | 68.2 | 71.3 | 72.3 | 73.8 | 76.0 | 79.0 | 83.7 | 88.5 | 88.5 | 83.4 |
| 160 | (0. RAD/SEC) | 63.8 | 65.9 | 67.9 | 69.9 | 71.9 | 73.2 | 74.4 | 76.9 | 80.6 | 84.3 | 89.1 | 89.1 | 84.0 |
| 200 | NFK | 66.6 | 69.1 | 71.5 | 72.1 | 73.4 | 73.9 | 75.6 | 77.8 | 80.3 | 84.2 | 87.9 | 88.6 | 83.7 |
| 250 | (0. RAD/SEC) | 66.0 | 69.2 | 71.7 | 72.8 | 74.5 | 75.6 | 76.8 | 79.3 | 81.4 | 83.8 | 87.3 | 88.6 | 82.8 |
| 315 | NFD 7500. RPM | 72.2 | 72.8 | 72.3 | 73.4 | 74.2 | 75.7 | 76.4 | 78.1 | 81.3 | 83.9 | 86.1 | 87.8 | 81.8 |
| 400 | (785. RAD/SEC) | 76.1 | 76.2 | 77.0 | 75.7 | 79.0 | 75.2 | 77.2 | 78.9 | 81.5 | 83.1 | 84.4 | 85.8 | 78.7 |
| 500 | AIRFLOW RATIO | 76.4 | 77.7 | 79.0 | 79.4 | 79.0 | 76.0 | 76.8 | 78.4 | 82.0 | 82.0 | 83.0 | 84.0 | 75.9 |
| 630 | WF/WUM 4.78 | 73.7 | 76.4 | 78.0 | 79.7 | 80.8 | 79.1 | 77.6 | 79.2 | 81.8 | 82.0 | 82.4 | 82.1 | 73.8 |
| 800 | VEHICLE | 70.2 | 73.4 | 75.7 | 77.2 | 78.8 | 79.1 | 78.8 | 79.4 | 80.2 | 80.6 | 80.5 | 79.3 | 69.7 |
| 1000 | CONFIG | 68.2 | 72.7 | 74.3 | 76.6 | 77.0 | 77.8 | 78.8 | 79.9 | 80.3 | 79.6 | 79.4 | 76.8 | 67.2 |
| 1250 | LOC C41 ANECHO CH | 65.8 | 70.5 | 72.8 | 75.4 | 77.3 | 77.6 | 78.1 | 79.6 | 79.8 | 77.9 | 77.9 | 74.4 | 64.5 |
| 1600 | DATE 06-14-76 | 62.2 | 67.3 | 70.0 | 73.3 | 76.0 | 76.4 | 76.8 | 78.0 | 78.8 | 76.5 | 75.7 | 70.8 | 59.5 |
| 2000 | RUN CONF4HIGHFLW | 58.3 | 63.5 | 68.0 | 71.4 | 74.2 | 73.8 | 75.7 | 76.4 | 77.3 | 74.5 | 72.3 | 67.3 | 54.5 |
| 2500 | TAPE X04450 | 53.7 | 60.6 | 64.7 | 68.2 | 70.4 | 71.1 | 72.9 | 72.6 | 73.2 | 69.9 | 66.1 | 61.0 | 46.6 |
| 3150 | FAN TIP SPEED | 47.1 | 54.7 | 59.7 | 64.2 | 67.3 | 67.8 | 70.3 | 68.8 | 68.7 | 64.1 | 59.2 | 53.7 | 35.2 |
| 4000 | FT/SEC | 36.9 | 46.6 | 52.3 | 56.8 | 61.7 | 61.2 | 64.2 | 60.9 | 60.1 | 55.0 | 49.2 | 41.0 | 18.5 |
| 5000 | | 31.5 | 41.7 | 47.4 | 52.9 | 56.8 | 56.8 | 57.8 | 56.8 | 55.9 | 48.9 | 44.3 | 31.9 | 7.1 |
| 6300 | | 16.0 | 30.1 | 37.9 | 43.6 | 48.1 | 47.9 | 49.2 | 46.7 | 44.4 | 36.7 | 28.7 | 15.8 | |
| 8000 | | | 9.8 | 21.2 | 28.3 | 31.8 | 32.9 | 34.5 | 30.1 | 27.5 | 19.2 | 6.5 | | |
| 10000 | | | 5.8 | 8.2 | 10.7 | 10.8 | 5.7 | 2.4 | | | | | | |
| 12500 | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | |
| 82.2 | OVERALL CALCULATED | 84.1 | 85.7 | 86.9 | 88.0 | 87.9 | 88.6 | 90.1 | 92.2 | 94.1 | 97.3 | 97.9 | 92.7 | |
| 87.7 | PNDB | 90.5 | 92.5 | 94.1 | 96.2 | 96.3 | 97.5 | 98.3 | 99.7 | 99.3 | 100.9 | 100.8 | 94.1 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 445 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PROGRAM
MODEL SOUND PRESSURE LEVELS (SQ. DEG. F., 70 PERCENT REL. HUM. DAY - JENOTS)
PROC. DATE - MONTH 8 DAY 27 HR. 11.9
ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 | 390 | 400 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 | 490 | 500 | 510 | 520 | 530 | 540 | 550 | 560 | 570 | 580 | 590 | 600 | 610 | 620 | 630 | 640 | 650 | 660 | 670 | 680 | 690 | 700 | 710 | 720 | 730 | 740 | 750 | 760 | 770 | 780 | 790 | 800 | 810 | 820 | 830 | 840 | 850 | 860 | 870 | 880 | 890 | 900 | 910 | 920 | 930 | 940 | 950 | 960 | 970 | 980 | 990 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.13) | (3.30) | (3.47) | (3.64) | (3.81) | (3.98) | (4.15) | (4.32) | (4.49) | (4.66) | (4.83) | (5.00) | (5.17) | (5.34) | (5.51) | (5.68) | (5.85) | (6.02) | (6.19) | (6.36) | (6.53) | (6.70) | (6.87) | (7.04) | (7.21) | (7.38) | (7.55) | (7.72) | (7.89) | (8.06) | (8.23) | (8.40) | (8.57) | (8.74) | (8.91) | (9.08) | (9.25) | (9.42) | (9.59) | (9.76) | (9.93) | (10.10) | (10.27) | (10.44) | (10.61) | (10.78) | (10.95) | (11.12) | (11.29) | (11.46) | (11.63) | (11.80) | (11.97) | (12.14) | (12.31) | (12.48) | (12.65) | (12.82) | (12.99) | (13.16) | (13.33) | (13.50) | (13.67) | (13.84) | (14.01) | (14.18) | (14.35) | (14.52) | (14.69) | (14.86) | (15.03) | (15.20) | (15.37) | (15.54) | (15.71) | (15.88) | (16.05) | (16.22) | (16.39) | (16.56) | (16.73) | (16.90) | (17.07) | (17.24) | (17.41) | (17.58) | (17.75) | (17.92) | (18.09) | (18.26) | (18.43) | (18.60) | (18.77) | (18.94) | (19.11) | (19.28) | (19.45) | (19.62) | (19.79) | (19.96) | (20.13) | (20.30) | (20.47) | (20.64) | (20.81) | (20.98) | (21.15) | (21.32) | (21.49) | (21.66) | (21.83) | (22.00) | (22.17) | (22.34) | (22.51) | (22.68) | (22.85) | (23.02) | (23.19) | (23.36) | (23.53) | (23.70) | (23.87) | (24.04) | (24.21) | (24.38) | (24.55) | (24.72) | (24.89) | (25.06) | (25.23) | (25.40) | (25.57) | (25.74) | (25.91) | (26.08) | (26.25) | (26.42) | (26.59) | (26.76) | (26.93) | (27.10) | (27.27) | (27.44) | (27.61) | (27.78) | (27.95) | (28.12) | (28.29) | (28.46) | (28.63) | (28.80) | (28.97) | (29.14) | (29.31) | (29.48) | (29.65) | (29.82) | (30.00) |

| RDG. NO. | NO. EGA | 63 | 78.9 | 87.7 | 84.9 | 86.5 | 88.3 | 87.7 | 88.2 | 89.2 | 91.2 | 94.9 | 94.9 | 98.4 | 132.7 |
|------------------|---------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| RADIAL (40. FT. | 0. | 80 | 76.8 | 82.1 | 82.6 | 84.9 | 87.7 | 88.7 | 88.2 | 89.2 | 91.2 | 94.9 | 94.9 | 98.4 | 133.2 |
| VEHICLE CELL41 | 100 | 125 | 77.4 | 79.9 | 83.4 | 85.2 | 88.0 | 88.2 | 86.5 | 87.4 | 92.5 | 97.2 | 97.6 | 101.4 | 134.1 |
| CONFIG NCS6 | 200 | 30.5 | 80.8 | 81.8 | 81.8 | 84.1 | 86.0 | 86.6 | 86.5 | 92.0 | 95.6 | 99.3 | 104.0 | 106.0 | 138.0 |
| LOC C41 ANECH CH | 250 | 79.3 | 81.8 | 83.9 | 85.5 | 88.0 | 89.5 | 90.9 | 90.9 | 92.6 | 96.9 | 103.1 | 105.5 | 107.1 | 139.7 |
| DATE 06-14-76 | 315 | 80.2 | 84.7 | 83.4 | 85.7 | 88.6 | 88.9 | 90.3 | 92.5 | 95.2 | 99.8 | 105.2 | 108.1 | 109.2 | 142.0 |
| RUN CONF4HIGHFLW | 400 | 83.7 | 84.5 | 86.0 | 87.1 | 88.7 | 88.7 | 90.3 | 93.3 | 96.2 | 101.8 | 107.2 | 109.4 | 109.5 | 143.2 |
| TAPE X04460 | 500 | 83.3 | 84.8 | 86.0 | 87.1 | 88.7 | 88.7 | 90.3 | 93.3 | 96.2 | 101.8 | 107.2 | 109.4 | 109.5 | 143.2 |
| BAR 29.4 HG | 630 | 84.4 | 86.1 | 86.4 | 88.4 | 90.0 | 91.4 | 91.4 | 94.3 | 97.5 | 103.1 | 107.8 | 110.3 | 109.8 | 144.3 |
| (99178. N/M2) | 890 | 85.6 | 87.4 | 87.9 | 89.5 | 91.3 | 92.7 | 94.3 | 95.4 | 98.6 | 103.5 | 107.9 | 110.6 | 109.9 | 144.3 |
| TAMB 84. DEG F | 1000 | 88.0 | 89.0 | 89.5 | 90.5 | 91.9 | 93.2 | 95.1 | 98.3 | 100.2 | 104.5 | 107.9 | 109.9 | 109.9 | 144.3 |
| (302. DEG K) | 1250 | 87.3 | 89.1 | 91.1 | 92.7 | 94.1 | 95.2 | 96.6 | 98.5 | 100.5 | 104.6 | 106.5 | 107.0 | 107.0 | 143.3 |
| TWET 73. DEG F | 1600 | 87.7 | 89.7 | 90.2 | 92.0 | 93.8 | 94.9 | 95.8 | 98.5 | 101.9 | 104.8 | 105.0 | 105.9 | 106.9 | 143.1 |
| (296. DEG K) | 2000 | 88.2 | 89.5 | 90.8 | 91.8 | 93.9 | 94.7 | 96.6 | 99.3 | 102.3 | 104.3 | 104.5 | 105.2 | 106.0 | 142.7 |
| HACT17.02 GR/M3 | 2500 | 88.3 | 89.8 | 91.4 | 91.9 | 93.5 | 95.3 | 96.5 | 99.1 | 102.6 | 104.2 | 104.1 | 105.1 | 105.3 | 142.5 |
| (.01702 KG/M3) | 3150 | 88.3 | 90.3 | 91.6 | 92.4 | 94.7 | 95.1 | 97.0 | 99.9 | 103.1 | 104.2 | 103.6 | 104.8 | 104.8 | 142.4 |
| FREF. SNIPT | 4000 | 87.5 | 89.9 | 91.9 | 92.4 | 94.0 | 95.1 | 96.7 | 100.2 | 102.4 | 103.5 | 102.6 | 104.8 | 104.1 | 142.0 |
| JET O | 5000 | 87.4 | 90.0 | 92.0 | 92.8 | 94.4 | 96.0 | 97.6 | 100.3 | 102.5 | 102.9 | 102.6 | 105.0 | 105.0 | 142.3 |
| DIAMETER RATIO | 6300 | 86.7 | 90.1 | 91.6 | 92.4 | 94.9 | 96.6 | 98.4 | 100.4 | 102.6 | 102.7 | 102.7 | 105.5 | 104.8 | 142.6 |
| DF/DH 1.06 | 8000 | 86.5 | 90.1 | 91.7 | 93.4 | 95.2 | 96.1 | 98.7 | 100.4 | 102.2 | 102.3 | 102.7 | 104.8 | 104.1 | 142.5 |
| | 10000 | 85.4 | 90.0 | 91.6 | 93.1 | 95.4 | 95.5 | 98.2 | 100.1 | 102.1 | 101.8 | 102.2 | 104.0 | 103.5 | 142.4 |
| | 12500 | 83.3 | 88.8 | 90.4 | 92.4 | 93.9 | 94.5 | 97.2 | 98.3 | 100.4 | 99.6 | 100.2 | 102.1 | 100.5 | 141.1 |
| | 16000 | 81.8 | 87.1 | 89.3 | 91.7 | 93.5 | 93.8 | 96.8 | 93.6 | 96.2 | 94.9 | 95.1 | 99.9 | 99.3 | 140.5 |
| | 20000 | 79.7 | 84.3 | 87.1 | 89.5 | 93.0 | 92.4 | 94.8 | 93.6 | | | | | | |

OVERALL MEASURED

| | | | | | | | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OVERALL CALCULATED | 99.2 | 101.9 | 103.3 | 104.6 | 106.6 | 107.4 | 109.3 | 111.4 | 113.9 | 115.9 | 117.9 | 119.9 | 120.2 |
| PROB | 111.9 | 114.2 | 115.6 | 116.5 | 118.5 | 119.3 | 121.0 | 123.8 | 126.5 | 128.2 | 129.1 | 130.7 | 130.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 4 | 446 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 4 | 446 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 27 HR. 12.2

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|--------------|---|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | |
| NO EGA | | 50 | 53.2 | 57.3 | 60.2 | 61.2 | 63.2 | 64.5 | 67.2 | 68.2 | 69.2 | 72.4 | 77.0 | 77.2 | |
| SIDELINE 2400. FT. | | 63 | 54.0 | 60.1 | 60.0 | 63.0 | 66.3 | 66.8 | 68.0 | 69.7 | 71.7 | 75.2 | 79.1 | 75.3 | |
| (731.52 M) | | 80 | 56.5 | 59.8 | 62.4 | 63.7 | 65.7 | 67.2 | 68.2 | 70.5 | 72.7 | 77.2 | 81.0 | 77.4 | |
| NFA | | 100 | 56.9 | 60.1 | 62.5 | 64.2 | 66.2 | 68.0 | 69.0 | 71.5 | 74.0 | 78.4 | 81.5 | 77.5 | |
| (1. RPM | | 125 | 57.9 | 61.3 | 62.7 | 65.5 | 67.5 | 69.0 | 70.8 | 72.5 | 75.0 | 78.7 | 81.5 | 81.6 | |
| (0. RAD/SEC) | | 160 | 59.0 | 62.4 | 64.1 | 66.4 | 68.7 | 70.2 | 71.7 | 73.9 | 76.4 | 79.5 | 81.3 | 80.8 | |
| NFK | | 200 | 61.1 | 63.9 | 65.5 | 67.3 | 69.1 | 70.6 | 72.4 | 75.1 | 76.5 | 79.4 | 79.7 | 77.1 | |
| (0. RAD/SEC) | | 250 | 60.2 | 63.7 | 66.9 | 67.8 | 69.8 | 71.3 | 72.3 | 75.3 | 77.4 | 79.3 | 78.5 | 75.7 | |
| NFD 7500. RPM | | 315 | 60.2 | 64.1 | 65.8 | 68.4 | 70.7 | 72.0 | 72.7 | 74.9 | 77.6 | 79.2 | 77.6 | 74.1 | |
| (785. RAD/SEC) | | 400 | 60.3 | 63.5 | 66.0 | 67.9 | 70.5 | 71.5 | 73.2 | 75.4 | 77.5 | 78.4 | 76.7 | 72.6 | |
| AIRFLOW RATIO | | 500 | 59.9 | 63.4 | 66.3 | 67.7 | 69.8 | 71.8 | 72.8 | 74.9 | 77.5 | 78.4 | 76.7 | 70.8 | |
| WF/W 4.78 | | 630 | 59.3 | 63.4 | 66.1 | 67.7 | 70.6 | 71.1 | 72.8 | 75.2 | 77.6 | 77.3 | 74.6 | 69.1 | |
| VEHICLE | CELL41 | 800 | 57.7 | 62.2 | 65.7 | 67.2 | 69.3 | 70.6 | 72.1 | 75.0 | 76.2 | 75.8 | 72.6 | 67.3 | |
| CONFIG | NC56 | 1000 | 56.5 | 61.5 | 65.1 | 66.9 | 69.1 | 70.9 | 72.3 | 74.4 | 75.6 | 74.4 | 71.6 | 64.9 | |
| LOC | C41 ANECH CH | 1250 | 54.5 | 60.5 | 63.8 | 65.6 | 68.9 | 70.7 | 72.4 | 73.6 | 74.8 | 73.2 | 70.5 | 63.8 | |
| DATE 06-14-76 | | 1600 | 52.5 | 58.6 | 62.6 | 65.5 | 68.1 | 69.1 | 71.6 | 72.5 | 73.1 | 71.3 | 68.7 | 61.1 | |
| RUN CONF4HIGHFLW | | 2000 | 49.3 | 57.3 | 61.0 | 63.9 | 67.0 | 67.3 | 69.7 | 70.9 | 71.5 | 69.0 | 66.1 | 56.8 | |
| TAPE | X04460 | 2500 | 44.2 | 53.6 | 57.7 | 61.3 | 63.7 | 64.6 | 67.0 | 67.2 | 67.7 | 64.4 | 61.2 | 52.0 | |
| FAN TIP SPEED | | 3150 | 37.9 | 48.0 | 53.2 | 57.5 | 60.4 | 61.1 | 63.6 | 62.8 | 63.0 | 58.9 | 54.2 | 42.9 | |
| FT/SEC | | 4000 | 28.5 | 39.2 | 45.9 | 50.7 | 55.5 | 55.2 | 57.2 | 54.7 | 54.9 | 49.8 | 43.8 | 32.0 | |
| | | 5000 | 22.8 | 33.3 | 41.5 | 47.0 | 51.4 | 52.1 | 52.7 | 51.1 | 50.5 | 43.8 | 35.3 | 14.0 | |
| | | 6300 | 10.9 | 26.4 | 35.0 | 41.0 | 46.2 | 46.3 | 47.3 | 43.5 | 39.3 | 38.7 | 24.4 | 2.7 | |
| | | 8000 | | 3.7 | 15.7 | 22.5 | 27.2 | 28.0 | 29.9 | 26.0 | 21.4 | 22.3 | 9.1 | | |
| | | 10000 | | | | | 1.7 | 3.9 | 3.8 | 0.7 | | | | | |
| | | 12500 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 70.3 | 74.2 | 76.8 | 78.7 | 81.1 | 82.4 | 83.9 | 86.0 | 87.9 | 89.5 | 90.3 | 89.8 | 86.2 | |
| PNDB | | 74.9 | 80.3 | 83.7 | 86.4 | 89.3 | 90.2 | 92.1 | 93.5 | 94.7 | 94.4 | 93.3 | 91.8 | 87.0 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 444 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 4 | 447 | 12.2m(40ft.) ARC |

SIZE
MODEL-145cm²(22.4in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | PROC. DATE - MONTH 8 DAY 27 HR. 12.2 | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|--|--|--|
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) | | | | | | | | | | PWL | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. | | | | | | | | | | 159.2 | | | | | | | | | |
| NO EGA | 50 | 85.4 | 88.4 | 90.2 | 90.7 | 91.3 | 92.4 | 95.6 | 97.5 | 99.7 | 104.3 | 111.0 | 113.9 | 115.2 | 161.5 | 163.2 | | | |
| RDG. NO. | 63 | 87.0 | 91.8 | 89.5 | 91.6 | 94.4 | 95.8 | 96.9 | 98.6 | 101.5 | 106.9 | 113.1 | 116.8 | 117.0 | 164.3 | 164.9 | | | |
| RADIAL 150. FT. | 80 | 89.3 | 90.6 | 92.6 | 92.1 | 94.5 | 95.6 | 96.7 | 99.9 | 102.8 | 109.6 | 115.9 | 118.5 | 117.6 | 165.4 | 165.4 | | | |
| (46. M) | 100 | 89.9 | 90.7 | 92.2 | 93.2 | 94.5 | 96.4 | 97.8 | 100.4 | 103.9 | 111.5 | 116.9 | 119.6 | 118.2 | 164.9 | 165.0 | | | |
| VEHICLE | 125 | 91.0 | 93.0 | 93.0 | 94.3 | 96.1 | 97.5 | 99.1 | 102.1 | 105.8 | 111.1 | 117.0 | 120.5 | 119.3 | 164.7 | 165.3 | | | |
| CELL41 | 160 | 92.5 | 93.5 | 94.8 | 95.6 | 97.4 | 98.5 | 100.4 | 103.6 | 107.3 | 112.4 | 117.6 | 120.5 | 120.0 | 165.4 | 165.4 | | | |
| NC56 | 200 | 96.1 | 96.9 | 97.6 | 97.4 | 99.0 | 99.6 | 101.7 | 104.2 | 108.1 | 112.2 | 116.1 | 119.1 | 119.9 | 164.7 | 165.4 | | | |
| LOC C41 ANECH CH | 250 | 95.4 | 97.0 | 98.0 | 98.5 | 99.8 | 101.7 | 102.3 | 105.7 | 109.0 | 112.3 | 115.2 | 120.4 | 120.7 | 165.3 | 165.3 | | | |
| DATE 06-14-76 | 315 | 96.8 | 98.3 | 97.8 | 99.1 | 100.2 | 101.3 | 103.0 | 105.4 | 109.6 | 113.2 | 115.1 | 120.5 | 120.3 | 165.4 | 165.4 | | | |
| RUN CONF4HIGHFLW | 400 | 99.8 | 99.6 | 99.6 | 99.4 | 100.3 | 101.6 | 103.3 | 106.2 | 110.1 | 113.2 | 115.9 | 120.1 | 118.6 | 165.1 | 165.1 | | | |
| TAPE X04470 | 500 | 102.0 | 101.8 | 101.8 | 101.0 | 103.1 | 103.9 | 103.0 | 104.4 | 107.6 | 111.3 | 114.1 | 117.1 | 117.0 | 164.8 | 165.0 | | | |
| BAR 29.2 HG | 630 | 102.2 | 103.3 | 103.0 | 103.1 | 103.9 | 103.0 | 104.4 | 107.6 | 111.3 | 114.1 | 117.1 | 118.7 | 115.3 | 165.0 | 164.0 | | | |
| (98672. N/M2) | 800 | 101.3 | 102.3 | 103.6 | 102.9 | 103.5 | 103.8 | 105.0 | 107.9 | 110.9 | 113.7 | 116.4 | 116.3 | 112.8 | 164.0 | 163.8 | | | |
| TAMB 83. DEG F | 1000 | 99.7 | 102.0 | 103.3 | 104.0 | 103.9 | 104.0 | 105.6 | 108.0 | 111.3 | 113.1 | 116.6 | 115.5 | 112.0 | 163.4 | 163.4 | | | |
| (302. DEG K) | 1250 | 99.1 | 102.2 | 103.7 | 104.2 | 105.3 | 105.9 | 107.0 | 108.7 | 111.2 | 113.3 | 114.5 | 114.1 | 111.2 | 162.7 | 162.7 | | | |
| TWET 73. DEG F | 1600 | 98.0 | 101.3 | 102.9 | 103.2 | 106.2 | 106.1 | 107.5 | 109.7 | 111.2 | 113.0 | 113.7 | 112.8 | 109.6 | 161.4 | 161.4 | | | |
| (296. DEG K) | 2000 | 96.6 | 101.2 | 102.8 | 104.6 | 106.6 | 105.2 | 107.4 | 109.3 | 111.1 | 111.7 | 112.4 | 112.5 | 109.2 | 160.8 | 160.8 | | | |
| HACT17.24 GM/M3 | 2500 | 95.1 | 99.6 | 102.0 | 103.7 | 105.2 | 105.3 | 107.2 | 108.1 | 109.7 | 109.9 | 110.3 | 110.1 | 107.3 | 159.4 | 159.4 | | | |
| (.01724 KG/M3) | 3150 | 93.7 | 98.4 | 100.4 | 103.8 | 105.1 | 104.9 | 107.4 | 106.9 | 108.9 | 108.9 | 108.7 | 109.0 | 106.9 | 157.7 | 157.7 | | | |
| FREQ. SHIFT | 4000 | 90.8 | 95.6 | 99.2 | 100.8 | 105.1 | 103.2 | 106.6 | 104.9 | 106.7 | 106.0 | 107.4 | 106.6 | 105.2 | 155.3 | 155.3 | | | |
| JET 7 | 5000 | 89.1 | 94.1 | 96.7 | 99.0 | 102.0 | 101.7 | 102.8 | 103.4 | 105.7 | 104.6 | 106.7 | 104.5 | 102.9 | 160.5 | 160.5 | | | |
| DIAMETER RATIO | 6300 | 87.6 | 93.4 | 96.8 | 98.8 | 101.5 | 101.0 | 103.2 | 102.5 | 103.8 | 103.3 | 104.8 | 106.8 | 101.8 | 157.7 | 157.7 | | | |
| DF/DM 4.78 | 8000 | 84.8 | 90.5 | 94.8 | 97.4 | 98.5 | 98.5 | 100.7 | 100.1 | 102.3 | 103.6 | 105.2 | 105.9 | 100.8 | 155.9 | 155.9 | | | |
| OVERALL CALCULATED | 10000 | 81.3 | 86.4 | 91.7 | 93.3 | 93.7 | 94.3 | 95.6 | 96.3 | 99.0 | 100.7 | 103.8 | 101.9 | 98.3 | 160.5 | 160.5 | | | |
| | 12500 | 80.1 | 84.3 | 90.5 | 91.0 | 91.6 | 91.5 | 92.1 | 94.6 | 97.3 | 99.6 | 104.2 | 100.0 | 95.5 | 177.1 | 177.1 | | | |
| | 16000 | 82.4 | 85.9 | 92.7 | 90.9 | 91.1 | 92.0 | 93.2 | 94.4 | 98.2 | 102.1 | 106.3 | 100.5 | 97.0 | | | | | |
| | PND8 | 120.2 | 123.7 | 125.6 | 127.5 | 129.0 | 128.9 | 130.9 | 131.7 | 134.0 | 135.3 | 137.2 | 138.3 | 136.6 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 447 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(53in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | | | | | | |
| FREQ. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | | | | | |
| (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.)(0.)(0.)(0.)(0.)(0.) | | | | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | | | | | | | | | | | | | | | | | | |
| (731.52 M) | | | | | | | | | | | | | | | | | | |
| NFA 1. RPM | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | | | |
| NFK 1. RPM | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | | | |
| NFD 7500. RPM | | | | | | | | | | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | | | | | | |
| WF/WM 4.78 | | | | | | | | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | | | | | | |
| CONFIG NC56 | | | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | | | | |
| DATE 06-14-76 | | | | | | | | | | | | | | | | | | |
| RUN CONF4HIGHFLW | | | | | | | | | | | | | | | | | | |
| TAPE X04470 | | | | | | | | | | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | | |
| PND8 | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 447 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m(513in²)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| NO EGA | 50 | 86.4 | 89.9 | 91.9 | 92.0 | 93.3 | 94.7 | 97.6 | 99.5 | 101.4 | 105.5 | 113.2 | 116.2 | 116.7 | | |
| RDG. NO. O. | 63 | 88.5 | 93.8 | 91.3 | 93.1 | 96.2 | 97.3 | 98.2 | 100.6 | 102.8 | 108.4 | 115.1 | 118.3 | 118.8 | | |
| RADIAL 150. FT. | 80 | 90.6 | 92.6 | 94.1 | 95.1 | 96.0 | 96.8 | 98.0 | 100.9 | 104.1 | 111.1 | 117.9 | 120.0 | 119.1 | | |
| (46. M) | 100 | 91.4 | 92.7 | 93.9 | 94.4 | 96.3 | 97.9 | 99.3 | 101.9 | 105.4 | 112.5 | 118.4 | 121.1 | 118.9 | | |
| VEHICLE | 125 | 92.7 | 94.3 | 95.0 | 96.3 | 97.4 | 98.5 | 100.9 | 103.1 | 107.0 | 112.8 | 119.3 | 122.0 | 119.8 | | |
| CELL41 | 160 | 94.8 | 95.5 | 96.0 | 97.3 | 98.9 | 100.3 | 101.9 | 104.6 | 108.5 | 113.4 | 119.6 | 122.5 | 121.0 | | |
| CONFIG | 200 | 99.6 | 99.6 | 99.9 | 99.7 | 101.0 | 101.4 | 102.7 | 105.7 | 109.1 | 113.4 | 118.6 | 123.1 | 121.1 | | |
| NC56 | 250 | 102.7 | 102.2 | 102.0 | 101.2 | 102.3 | 103.0 | 104.6 | 107.0 | 110.5 | 113.8 | 118.5 | 123.4 | 121.0 | | |
| LOC C41 ANECH CH | 315 | 109.3 | 107.8 | 105.3 | 104.4 | 106.7 | 103.6 | 104.2 | 106.4 | 110.8 | 114.2 | 118.1 | 123.0 | 120.1 | | |
| DATE 06-14-76 | 400 | 110.6 | 109.6 | 109.4 | 107.9 | 106.5 | 104.4 | 105.0 | 107.7 | 111.9 | 114.5 | 118.4 | 122.1 | 117.6 | | |
| RUN CONF4HIGHFLW | 500 | 108.5 | 109.5 | 109.5 | 109.3 | 110.1 | 108.0 | 105.9 | 108.3 | 112.8 | 114.6 | 119.8 | 121.2 | 115.5 | | |
| TAPE X04480 | 630 | 106.7 | 108.0 | 108.5 | 109.6 | 110.6 | 109.5 | 109.1 | 109.3 | 113.3 | 115.9 | 119.8 | 119.2 | 114.5 | | |
| BAR 29.2 HG | 800 | 105.3 | 106.6 | 107.1 | 107.6 | 109.0 | 108.8 | 110.0 | 111.1 | 112.6 | 115.0 | 118.7 | 117.8 | 111.8 | | |
| (98638. N/M2) | 1000 | 104.7 | 106.2 | 107.0 | 107.8 | 107.9 | 108.7 | 109.6 | 112.3 | 113.3 | 114.6 | 117.6 | 116.5 | 111.0 | | |
| TAMB 83. DEG F | 1250 | 103.6 | 105.9 | 106.7 | 107.7 | 109.5 | 109.2 | 110.5 | 112.2 | 113.7 | 114.1 | 116.2 | 115.4 | 110.7 | | |
| TWET 73. DEG F | 1600 | 102.5 | 104.3 | 105.9 | 107.9 | 109.2 | 109.3 | 111.2 | 112.2 | 114.2 | 114.5 | 115.2 | 114.1 | 109.1 | | |
| (296. DEG K) | 2000 | 101.1 | 104.2 | 105.3 | 107.6 | 109.9 | 109.0 | 110.9 | 111.8 | 113.3 | 114.0 | 113.9 | 113.5 | 108.0 | | |
| HACT16.98 GM/M3 | 2500 | 99.3 | 102.3 | 104.0 | 106.7 | 108.2 | 108.6 | 110.7 | 111.1 | 111.5 | 111.7 | 112.1 | 111.6 | 107.6 | | |
| (.01698 KG/M3) | 3150 | 98.2 | 101.7 | 102.9 | 106.3 | 108.6 | 108.2 | 110.4 | 109.6 | 111.6 | 110.4 | 110.7 | 110.5 | 107.2 | | |
| FRED. SHIFT | 4000 | 95.8 | 98.9 | 101.5 | 103.6 | 107.9 | 106.7 | 109.4 | 107.4 | 109.2 | 108.5 | 108.9 | 108.1 | 104.7 | | |
| JET 7 | 5000 | 93.6 | 97.9 | 99.0 | 102.1 | 105.0 | 104.8 | 105.8 | 105.7 | 108.0 | 106.4 | 108.9 | 105.5 | 101.9 | | |
| DIAMETER RATIO | 6300 | 92.4 | 96.7 | 99.1 | 101.8 | 104.6 | 103.5 | 105.7 | 105.1 | 106.8 | 105.6 | 107.4 | 107.6 | 101.6 | | |
| DF/DM 4.78 | 8000 | 88.8 | 94.1 | 97.9 | 100.2 | 102.0 | 101.6 | 104.3 | 102.9 | 105.1 | 106.0 | 107.5 | 107.0 | 100.1 | | |
| | 10000 | 84.8 | 89.9 | 94.8 | 97.1 | 97.3 | 98.1 | 99.1 | 99.6 | 103.1 | 104.0 | 105.9 | 103.0 | 98.4 | | |
| | 12500 | 82.7 | 87.6 | 93.6 | 94.9 | 94.9 | 95.8 | 95.9 | 97.9 | 101.2 | 103.7 | 104.8 | 100.6 | 92.1 | | |
| | 16000 | 84.0 | 88.0 | 95.1 | 95.3 | 94.2 | 95.6 | 97.8 | 98.5 | 102.6 | 107.5 | 107.7 | 101.9 | 93.4 | | |
| OVERALL CALCULATED | 116.9 | 117.6 | 118.0 | 118.9 | 120.2 | 119.7 | 121.1 | 122.1 | 124.4 | 126.5 | 130.5 | 132.7 | 130.2 | 179.1 | | |
| PNDB | 125.6 | 127.5 | 128.6 | 130.7 | 132.6 | 132.2 | 133.9 | 134.3 | 136.4 | 137.1 | 139.2 | 139.9 | 136.4 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 4 | 448 | 45.7m(150ft.) ARC | FULL - 33m ² (5131n ²) |

PROC. DATE - MONTH 8 DAY 27 HR. 12.2

| FULL SIZE SOUND PRESSURE | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | FREQ. | |
|--|--|--|--|--|--|--|--|
| 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. |
| (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2) |
| 50 | 58.2 | 63.3 | 66.4 | 67.2 | 69.0 | 70.5 | 73.2 |
| 63 | 60.3 | 67.1 | 65.7 | 68.2 | 71.8 | 73.0 | 73.8 |
| 80 | 62.2 | 65.8 | 68.4 | 69.2 | 71.5 | 72.5 | 73.5 |
| 100 | 62.9 | 65.8 | 68.2 | 69.5 | 71.7 | 73.5 | 74.7 |
| 125 | 64.2 | 67.3 | 69.2 | 71.2 | 72.8 | 74.0 | 76.3 |
| 160 | 66.0 | 68.4 | 70.1 | 72.1 | 74.2 | 75.7 | 77.2 |
| 200 | 70.6 | 72.4 | 73.8 | 74.3 | 76.1 | 76.6 | 77.9 |
| 250 | 73.5 | 74.7 | 75.7 | 75.8 | 77.3 | 78.1 | 79.6 |
| 315 | 79.7 | 80.1 | 78.8 | 78.7 | 77.5 | 78.5 | 79.0 |
| 400 | 80.6 | 81.5 | 82.5 | 81.9 | 81.0 | 79.0 | 79.5 |
| 500 | 77.9 | 80.9 | 82.3 | 82.9 | 84.3 | 82.3 | 80.0 |
| 630 | 75.5 | 78.9 | 80.8 | 82.7 | 84.3 | 83.4 | 82.8 |
| 800 | 73.2 | 76.7 | 78.7 | 80.2 | 82.1 | 82.1 | 83.7 |
| 1000 | 71.5 | 75.5 | 77.8 | 79.6 | 80.3 | 81.3 | 82.0 |
| 1250 | 69.0 | 74.0 | 76.5 | 78.6 | 81.1 | 80.9 | 82.1 |
| 1600 | 66.0 | 70.8 | 74.3 | 77.5 | 79.6 | 79.9 | 81.6 |
| 2000 | 62.3 | 68.8 | 72.0 | 75.6 | 78.7 | 78.1 | 79.7 |
| 2500 | 57.2 | 64.1 | 68.2 | 72.5 | 74.9 | 75.6 | 77.4 |
| 3150 | 50.7 | 59.0 | 63.2 | 68.5 | 71.9 | 71.8 | 73.6 |
| 4000 | 40.2 | 49.4 | 55.9 | 60.4 | 66.0 | 65.2 | 67.5 |
| 5000 | 33.3 | 44.5 | 50.0 | 55.7 | 60.2 | 60.3 | 60.9 |
| 6300 | 18.3 | 31.9 | 40.0 | 46.2 | 50.9 | 50.5 | 52.1 |
| 8000 | 11.7 | 23.4 | 30.5 | 34.9 | 35.3 | 37.1 | 33.2 |
| 10000 | | | 7.7 | 11.4 | 13.3 | 13.2 | 10.1 |
| 12500 | | | | | | | 7.1 |
| 16000 | | | | | | | |
| OVERALL CALCULATED | 86.0 | 88.1 | 89.4 | 90.5 | 91.8 | 91.5 | 92.2 |
| PNDB | 91.6 | 94.3 | 96.1 | 97.9 | 100.2 | 100.0 | 101.2 |
| | | | | | | | 93.4 |
| | | | | | | | 95.3 |
| | | | | | | | 97.2 |
| | | | | | | | 100.4 |
| | | | | | | | 100.6 |
| | | | | | | | 103.7 |
| | | | | | | | 95.9 |

VEHICLE CELL 41
 CONFIG NC56
 LOC C41 ANECH CH
 DATE 06-14-76
 RUN CONF4HIGHFLW
 TAPE X04480
 FAN TIP SPEED
 FT/SEC

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 448 SIZE FULL-33m (513in²)
 ACUSTIC RANGE 731.5m (2400ft.) SIDELINE

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PWL | | | | | | | | | |
|--------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 50 | 87.9 | 91.2 | 92.7 | 93.0 | 94.3 | 95.4 | 98.3 | 99.2 | 101.3 | 103.8 | 106.8 | 114.2 | 116.7 | 118.2 | 120.1 | 121.5 | 122.5 | 123.5 | 124.5 | 125.5 |
| 63 | 90.0 | 94.8 | 92.3 | 93.0 | 94.3 | 95.4 | 98.3 | 99.2 | 101.3 | 103.8 | 106.8 | 114.2 | 116.7 | 118.2 | 120.1 | 121.5 | 122.5 | 123.5 | 124.5 | 125.5 |
| 80 | 92.1 | 93.6 | 95.6 | 95.1 | 97.0 | 98.3 | 99.2 | 101.3 | 103.8 | 106.8 | 114.2 | 116.7 | 118.2 | 120.1 | 121.5 | 122.5 | 123.5 | 124.5 | 125.5 | 126.5 |
| 100 | 93.1 | 93.4 | 94.9 | 95.2 | 97.5 | 98.9 | 99.8 | 100.8 | 102.9 | 106.7 | 114.5 | 119.9 | 122.4 | 120.7 | 117.1 | 116.5 | 167.5 | 168.3 | 168.1 | 168.1 |
| 125 | 94.0 | 95.3 | 96.0 | 97.3 | 98.9 | 99.9 | 101.5 | 103.2 | 105.6 | 108.5 | 114.3 | 120.3 | 123.5 | 121.5 | 118.5 | 167.5 | 168.3 | 168.1 | 168.1 | 168.1 |
| 160 | 96.3 | 96.8 | 97.5 | 98.6 | 99.9 | 102.0 | 102.9 | 104.2 | 107.2 | 110.6 | 115.2 | 119.6 | 122.8 | 123.1 | 121.1 | 167.8 | 167.7 | 167.7 | 167.8 | 167.8 |
| 200 | 99.8 | 100.6 | 100.9 | 100.9 | 102.0 | 102.9 | 104.2 | 107.2 | 110.6 | 115.2 | 119.6 | 122.8 | 123.1 | 121.1 | 118.5 | 167.8 | 167.7 | 167.7 | 167.8 | 167.8 |
| 250 | 101.4 | 102.5 | 103.0 | 102.5 | 103.8 | 104.3 | 105.6 | 108.5 | 112.0 | 115.5 | 119.5 | 123.9 | 122.5 | 121.6 | 118.5 | 167.8 | 167.7 | 167.7 | 167.8 | 167.8 |
| 315 | 105.8 | 105.1 | 103.8 | 103.4 | 103.5 | 104.3 | 105.5 | 108.1 | 112.3 | 115.7 | 119.4 | 123.5 | 121.6 | 118.5 | 167.8 | 167.7 | 167.7 | 167.8 | 167.8 | 167.8 |
| 400 | 108.3 | 107.4 | 106.6 | 105.7 | 105.5 | 105.1 | 106.3 | 109.4 | 112.6 | 115.7 | 119.7 | 122.8 | 119.4 | 117.3 | 116.5 | 167.8 | 167.7 | 167.7 | 167.8 | 167.8 |
| 500 | 109.5 | 109.8 | 109.5 | 107.8 | 107.6 | 106.8 | 106.9 | 110.0 | 114.3 | 115.4 | 119.6 | 121.7 | 117.3 | 116.5 | 167.8 | 167.7 | 167.7 | 167.8 | 167.8 | 167.8 |
| 630 | 108.5 | 109.3 | 109.8 | 110.1 | 110.4 | 108.3 | 108.6 | 110.6 | 114.5 | 116.4 | 120.1 | 120.2 | 116.3 | 114.1 | 113.1 | 167.8 | 167.7 | 167.7 | 167.8 | 167.8 |
| 800 | 106.3 | 107.8 | 108.6 | 108.9 | 110.5 | 109.6 | 109.7 | 111.4 | 113.9 | 115.7 | 118.9 | 118.6 | 114.1 | 113.1 | 112.4 | 109.4 | 166.8 | 166.7 | 166.7 | 166.8 |
| 1000 | 105.2 | 107.2 | 108.3 | 109.5 | 109.6 | 110.7 | 110.4 | 112.0 | 114.3 | 115.6 | 118.1 | 117.5 | 114.0 | 113.4 | 112.4 | 109.4 | 166.8 | 166.7 | 166.7 | 166.8 |
| 1250 | 104.6 | 106.9 | 108.5 | 109.0 | 110.8 | 110.9 | 112.0 | 112.5 | 114.7 | 115.8 | 117.0 | 116.6 | 113.4 | 112.4 | 111.4 | 108.7 | 166.5 | 166.5 | 166.5 | 166.5 |
| 1600 | 103.8 | 105.6 | 107.7 | 109.4 | 111.2 | 111.1 | 112.7 | 112.9 | 114.4 | 115.5 | 116.0 | 115.1 | 111.8 | 110.8 | 109.8 | 108.7 | 166.3 | 166.3 | 166.3 | 166.3 |
| 2000 | 102.1 | 105.7 | 107.6 | 109.3 | 111.9 | 110.7 | 112.4 | 113.3 | 114.6 | 115.0 | 114.4 | 114.2 | 111.0 | 110.0 | 109.0 | 107.9 | 165.3 | 165.3 | 165.3 | 165.3 |
| 2500 | 100.6 | 104.6 | 106.5 | 108.7 | 111.2 | 110.6 | 112.5 | 112.3 | 113.0 | 112.9 | 113.1 | 112.4 | 109.4 | 108.4 | 107.4 | 106.3 | 164.8 | 164.8 | 164.8 | 164.8 |
| 3150 | 100.2 | 103.5 | 105.1 | 108.1 | 110.9 | 110.5 | 112.4 | 110.9 | 112.1 | 111.4 | 112.0 | 112.0 | 108.7 | 107.7 | 106.7 | 105.6 | 163.3 | 163.3 | 163.3 | 163.3 |
| 4000 | 97.3 | 101.4 | 103.7 | 105.6 | 109.9 | 109.0 | 111.1 | 108.7 | 110.2 | 109.3 | 109.1 | 109.6 | 106.5 | 105.5 | 104.5 | 103.4 | 161.5 | 161.5 | 161.5 | 161.5 |
| 5000 | 95.9 | 99.6 | 101.0 | 104.1 | 106.8 | 106.3 | 107.0 | 107.4 | 109.5 | 107.1 | 107.7 | 108.4 | 105.1 | 104.1 | 103.1 | 102.0 | 159.9 | 159.9 | 159.9 | 159.9 |
| 6300 | 94.7 | 99.0 | 101.8 | 104.3 | 106.8 | 106.1 | 107.7 | 107.1 | 109.1 | 106.9 | 107.5 | 108.5 | 103.9 | 102.9 | 101.9 | 100.8 | 161.0 | 161.0 | 161.0 | 161.0 |
| 8000 | 91.8 | 96.3 | 100.7 | 102.5 | 104.1 | 103.8 | 106.1 | 105.2 | 106.4 | 107.5 | 107.8 | 108.5 | 103.9 | 102.9 | 101.9 | 100.8 | 160.0 | 160.0 | 160.0 | 160.0 |
| 10000 | 87.6 | 93.0 | 98.6 | 99.7 | 99.8 | 100.4 | 101.7 | 101.9 | 104.4 | 105.3 | 107.0 | 107.8 | 103.9 | 102.9 | 101.9 | 100.8 | 159.9 | 159.9 | 159.9 | 159.9 |
| 12500 | 85.0 | 89.7 | 96.7 | 97.7 | 98.0 | 98.9 | 99.0 | 101.0 | 103.0 | 106.0 | 107.8 | 108.6 | 103.9 | 102.9 | 101.9 | 100.8 | 159.9 | 159.9 | 159.9 | 159.9 |
| 16000 | 84.9 | 90.4 | 98.2 | 98.6 | 99.1 | 99.5 | 101.4 | 101.3 | 104.7 | 109.2 | 110.3 | 110.3 | 103.0 | 102.0 | 101.0 | 100.0 | 159.9 | 159.9 | 159.9 | 159.9 |
| OVERALL CALCULATED | 116.8 | 118.0 | 119.0 | 119.8 | 121.5 | 121.1 | 122.4 | 123.1 | 125.6 | 127.8 | 131.4 | 133.5 | 131.9 | 130.0 | 128.0 | 126.0 | 124.0 | 122.0 | 120.0 | 118.0 |
| PND8 | 126.3 | 128.9 | 130.4 | 132.1 | 134.3 | 134.0 | 135.6 | 135.6 | 137.3 | 138.2 | 140.0 | 140.9 | 138.3 | 136.3 | 134.3 | 132.3 | 130.3 | 128.3 | 126.3 | 124.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **4** TEST POINT **484** ACOUSTIC RANGE **45.7m(150ft.)** ARC **4** SIZE **FULL-33m²(513in²)**

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| 50 | 59.7 | 64.6 | 67.2 | 68.2 | 70.0 | 71.2 | 74.0 | 75.7 | 76.9 | 80.2 | 86.0 | 86.2 | 84.3 |
| 63 | 61.8 | 68.1 | 66.7 | 69.5 | 73.0 | 74.0 | 74.8 | 76.5 | 78.2 | 83.2 | 88.1 | 89.0 | 85.8 |
| 80 | 63.7 | 66.8 | 69.9 | 70.2 | 72.5 | 74.0 | 74.7 | 77.2 | 79.9 | 85.9 | 90.8 | 90.2 | 85.9 |
| 100 | 64.7 | 66.6 | 69.2 | 70.2 | 73.0 | 74.8 | 76.2 | 78.0 | 81.0 | 87.7 | 91.5 | 91.6 | 86.3 |
| 125 | 65.4 | 68.3 | 70.2 | 72.2 | 74.3 | 75.3 | 77.8 | 79.5 | 82.7 | 87.4 | 91.7 | 91.8 | 86.9 |
| 160 | 67.5 | 69.7 | 71.6 | 73.4 | 75.2 | 76.9 | 78.4 | 80.4 | 84.4 | 88.5 | 91.8 | 92.3 | 87.6 |
| 200 | 70.9 | 73.4 | 74.8 | 75.6 | 77.1 | 78.1 | 79.4 | 81.8 | 84.5 | 87.9 | 90.7 | 91.4 | 87.7 |
| NFK (1. RPM | | | | | | | | | | | | | |
| NFD (0. RAD/SEC) | | | | | | | | | | | | | |
| 315 | 76.2 | 75.0 | 76.7 | 77.3 | 78.2 | 79.2 | 80.2 | 82.4 | 85.8 | 87.9 | 89.8 | 91.3 | 85.1 |
| 400 | 78.3 | 79.3 | 79.8 | 79.7 | 80.0 | 79.7 | 80.7 | 83.4 | 85.8 | 87.6 | 89.7 | 90.1 | 82.0 |
| (785. RAD/SEC) | | | | | | | | | | | | | |
| 500 | 78.9 | 81.2 | 82.3 | 81.4 | 81.8 | 81.0 | 83.7 | 87.0 | 86.8 | 89.0 | 88.3 | 78.9 | |
| AIRFLOW RATIO | | | | | | | | | | | | | |
| 630 | 77.3 | 80.1 | 82.1 | 83.2 | 84.1 | 82.1 | 82.3 | 83.7 | 86.8 | 87.2 | 88.9 | 85.9 | 76.6 |
| WF/WM 4.78 | | | | | | | | | | | | | |
| 800 | 74.2 | 78.0 | 80.2 | 81.5 | 83.6 | 82.9 | 82.8 | 84.0 | 85.5 | 85.8 | 86.8 | 83.0 | 72.7 |
| VEHICLE CELL41 | | | | | | | | | | | | | |
| 1000 | 72.0 | 76.5 | 79.1 | 81.4 | 82.0 | 83.3 | 82.8 | 83.9 | 85.1 | 84.8 | 84.9 | 80.5 | 70.5 |
| CONFIG NC56 | | | | | | | | | | | | | |
| 1250 | 70.0 | 75.0 | 78.3 | 79.9 | 82.3 | 82.7 | 83.6 | 83.4 | 84.5 | 83.9 | 82.5 | 77.9 | 67.3 |
| LOC C41 ANECH CH | | | | | | | | | | | | | |
| 1600 | 67.3 | 72.1 | 76.1 | 79.0 | 81.6 | 81.6 | 83.1 | 82.5 | 82.8 | 82.0 | 79.5 | 73.9 | 62.0 |
| DATE 06-14-76 | | | | | | | | | | | | | |
| 2000 | 63.3 | 70.3 | 74.3 | 77.4 | 80.7 | 79.8 | 81.2 | 81.4 | 81.3 | 79.5 | 75.6 | 70.0 | 56.7 |
| RUN CONF4HIGHFLW | | | | | | | | | | | | | |
| 2500 | 58.4 | 66.4 | 70.7 | 74.5 | 78.0 | 77.6 | 79.2 | 78.2 | 77.2 | 74.7 | 70.9 | 63.8 | 48.7 |
| TAPE XD4840 | | | | | | | | | | | | | |
| 3150 | 52.7 | 60.7 | 65.5 | 70.3 | 74.1 | 74.1 | 75.6 | 73.1 | 72.5 | 68.7 | 64.5 | 56.5 | 37.7 |
| FAN TIP SPEED | | | | | | | | | | | | | |
| 4000 | 41.7 | 51.9 | 58.1 | 62.4 | 68.0 | 67.5 | 69.2 | 65.5 | 64.6 | 59.8 | 53.5 | 43.5 | 20.0 |
| 5000 | 35.6 | 46.3 | 52.0 | 57.7 | 61.9 | 61.9 | 62.2 | 61.1 | 60.5 | 53.8 | 49.4 | 34.4 | 9.2 |
| 6300 | 20.6 | 34.2 | 42.8 | 48.7 | 53.2 | 53.0 | 54.1 | 51.5 | 49.0 | 42.1 | 34.3 | 19.1 | |
| 8000 | | 14.0 | 26.1 | 32.7 | 36.9 | 37.5 | 38.9 | 35.5 | 31.9 | 25.1 | 12.7 | | |
| 10000 | | | 2.6 | 10.2 | 13.9 | 15.6 | 15.8 | 12.4 | 8.4 | | | | |
| 12500 | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | |
| OVERALL CALCULATED | 85.4 | 88.0 | 89.8 | 90.8 | 92.4 | 92.4 | 93.1 | 94.4 | 96.6 | 98.6 | 101.3 | 101.4 | 96.2 |
| PND8 | 91.1 | 94.6 | 96.8 | 99.0 | 101.7 | 101.4 | 102.6 | 103.0 | 104.0 | 104.1 | 105.3 | 104.4 | 97.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 484 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PROC. DATE - MONTH 9 DAY 7 HR. 17.6 | | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| FREQ. | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) |
| NO EGA | 50 | 63 | 82.3 | 84.7 | 85.2 | 86.1 | 88.2 | 90.3 | 92.2 | 95.4 | 100.5 | 106.0 | 107.2 | 106.9 | 152.8 | |
| RDG. NO. G. | 80 | 84.3 | 85.8 | 88.1 | 88.4 | 90.0 | 91.1 | 92.2 | 95.6 | 99.3 | 105.4 | 110.6 | 111.3 | 110.1 | 155.2 | |
| RADIAL 150. FT. | 100 | 85.6 | 86.7 | 87.9 | 88.9 | 90.5 | 92.2 | 93.5 | 96.2 | 100.7 | 107.7 | 112.7 | 112.6 | 110.9 | 156.9 | |
| (46. M) | 125 | 86.5 | 88.3 | 89.0 | 90.3 | 91.6 | 93.5 | 95.1 | 97.5 | 101.8 | 107.6 | 111.8 | 112.5 | 111.3 | 158.5 | |
| VEHICLE CELL41 | 160 | 87.5 | 89.0 | 90.5 | 91.6 | 93.2 | 94.5 | 95.7 | 99.3 | 103.8 | 108.1 | 111.1 | 111.7 | 110.3 | 158.3 | |
| CONFIG NC58 | 200 | 90.3 | 91.1 | 92.6 | 92.6 | 94.0 | 95.9 | 96.7 | 100.1 | 104.4 | 107.9 | 109.6 | 109.3 | 108.6 | 158.0 | |
| LOC C41 ANECH CH | 250 | 88.9 | 91.4 | 93.9 | 93.7 | 94.6 | 96.4 | 97.8 | 100.7 | 105.2 | 108.3 | 109.2 | 108.9 | 107.7 | 157.0 | |
| DATE 06-16-76 | 315 | 89.3 | 91.8 | 92.6 | 93.8 | 95.7 | 97.1 | 98.2 | 100.8 | 105.6 | 108.6 | 109.3 | 109.0 | 108.1 | 157.3 | |
| RUN CONF4VELDEPN | 400 | 90.1 | 91.8 | 93.9 | 94.1 | 95.5 | 97.3 | 98.7 | 102.4 | 106.1 | 108.2 | 109.4 | 108.8 | 107.1 | 157.3 | |
| TAPE X41070 | 500 | 89.9 | 92.5 | 93.7 | 94.5 | 96.1 | 97.7 | 98.9 | 102.5 | 107.0 | 107.8 | 109.5 | 108.2 | 106.5 | 157.3 | |
| BAR 29.4 HG | 630 | 90.7 | 92.7 | 95.0 | 95.0 | 97.1 | 98.0 | 99.6 | 103.5 | 107.2 | 108.8 | 110.0 | 108.7 | 106.7 | 158.0 | |
| (99212. N/M2) | 800 | 90.2 | 92.5 | 94.3 | 94.6 | 96.4 | 98.0 | 99.7 | 104.1 | 106.1 | 108.7 | 109.6 | 107.5 | 104.8 | 157.5 | |
| TAMB 59. DEG F | 1000 | 89.9 | 93.2 | 94.5 | 95.7 | 97.1 | 99.2 | 100.1 | 104.2 | 106.2 | 108.3 | 110.3 | 107.7 | 104.9 | 157.7 | |
| (288. DEG K) | 1250 | 89.5 | 93.6 | 94.9 | 96.2 | 98.5 | 99.9 | 102.2 | 104.4 | 106.7 | 108.3 | 109.9 | 108.1 | 105.9 | 158.1 | |
| THWET 58. DEG F | 1600 | 89.5 | 93.3 | 94.9 | 96.6 | 98.7 | 100.8 | 103.0 | 104.9 | 106.4 | 108.3 | 110.4 | 107.6 | 105.8 | 158.3 | |
| (287. DEG K) | 2000 | 88.6 | 95.5 | 96.1 | 97.6 | 99.4 | 99.5 | 102.9 | 104.8 | 106.8 | 107.7 | 108.9 | 107.7 | 106.5 | 158.1 | |
| HACT11.74 GM/M3 | 2500 | 87.9 | 94.4 | 95.5 | 97.5 | 99.0 | 99.9 | 102.3 | 103.4 | 104.5 | 105.9 | 107.1 | 106.6 | 106.1 | 156.9 | |
| (.01174 KG/M3) | 3150 | 86.8 | 93.3 | 95.0 | 97.4 | 99.7 | 99.8 | 102.9 | 104.7 | 105.0 | 106.1 | 105.8 | 104.8 | 104.8 | 156.6 | |
| FREQ. SHIFT | 4000 | 84.9 | 90.7 | 93.4 | 95.2 | 99.5 | 99.1 | 102.0 | 100.3 | 102.9 | 102.4 | 103.5 | 102.7 | 102.6 | 155.0 | |
| JET | 5000 | 83.0 | 89.8 | 90.7 | 94.0 | 96.8 | 97.5 | 98.8 | 98.7 | 102.3 | 100.4 | 103.2 | 99.8 | 100.6 | 153.5 | |
| DIAMETER RATIO | 6300 | 82.4 | 89.0 | 91.5 | 94.2 | 96.7 | 96.4 | 99.3 | 98.2 | 100.7 | 99.1 | 102.3 | 100.7 | 100.4 | 153.5 | |
| DF/DM 4.78 | 8000 | 79.9 | 86.0 | 90.1 | 91.9 | 93.5 | 94.0 | 97.2 | 95.9 | 98.7 | 98.8 | 101.6 | 99.2 | 98.3 | 152.8 | |
| | 10000 | 77.8 | 82.9 | 87.4 | 88.7 | 89.0 | 89.9 | 92.6 | 92.1 | 95.2 | 96.4 | 99.8 | 95.6 | 94.4 | 150.9 | |
| | 12500 | 77.1 | 80.9 | 86.0 | 85.9 | 85.9 | 87.6 | 90.9 | 90.4 | 93.5 | 96.6 | 98.9 | 92.6 | 92.6 | 151.4 | |
| | 16000 | 79.8 | 82.6 | 89.0 | 86.9 | 86.4 | 88.2 | 94.9 | 90.4 | 94.3 | 98.3 | 101.6 | 95.8 | 96.0 | 150.8 | |
| OVERALL CALCULATED | 101.6 | 105.2 | 106.8 | 108.1 | 110.0 | 111.1 | 113.2 | 115.2 | 118.1 | 120.5 | 122.8 | 122.3 | 121.0 | 121.0 | 170.8 | |
| PND8 | 112.6 | 117.7 | 119.4 | 121.2 | 123.3 | 123.9 | 126.4 | 127.2 | 129.9 | 131.1 | 132.8 | 132.0 | 131.0 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 4107 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| SIDELINE 2400. FT. | 63 | 53.0 | 57.1 | 59.4 | 60.4 | 61.7 | 63.9 | 65.9 | 67.4 | 69.9 | 73.9 | 77.8 | 76.7 | 73.0 |
| (731.52 M) | 80 | 54.0 | 59.9 | 60.0 | 62.7 | 65.8 | 66.3 | 67.0 | 69.0 | 72.0 | 76.4 | 79.6 | 79.5 | 75.5 |
| NFA | 100 | 57.2 | 59.8 | 62.2 | 64.0 | 66.0 | 67.7 | 69.0 | 71.2 | 74.9 | 80.9 | 84.2 | 81.8 | 76.5 |
| (0. RAD/SEC) | 125 | 57.9 | 61.3 | 63.2 | 65.2 | 67.0 | 69.0 | 70.5 | 72.5 | 76.0 | 80.6 | 83.2 | 81.5 | 76.6 |
| NFK | 160 | 58.7 | 61.9 | 64.6 | 66.4 | 68.4 | 69.9 | 70.9 | 74.1 | 77.8 | 81.0 | 82.3 | 80.6 | 75.3 |
| (0. RAD/SEC) | 200 | 61.4 | 63.8 | 66.5 | 67.3 | 69.1 | 71.1 | 71.9 | 74.8 | 78.3 | 80.7 | 77.9 | 73.2 | |
| NFD 7500. RPM | 250 | 59.7 | 64.0 | 67.7 | 68.2 | 69.5 | 71.5 | 72.8 | 75.2 | 78.9 | 80.8 | 80.0 | 77.1 | 71.8 |
| (785. RAD/SEC) | 315 | 59.7 | 64.0 | 66.0 | 68.1 | 70.4 | 71.9 | 72.9 | 75.1 | 79.0 | 80.9 | 79.8 | 76.8 | 71.5 |
| AIRFLOW RATIO | 400 | 60.1 | 63.7 | 67.0 | 68.1 | 69.9 | 72.0 | 73.2 | 76.4 | 79.3 | 80.1 | 79.4 | 76.0 | 69.7 |
| WFT/MH 4.78 | 500 | 59.4 | 63.9 | 66.5 | 68.2 | 70.2 | 72.0 | 73.0 | 76.2 | 79.8 | 79.3 | 79.0 | 74.7 | 68.1 |
| | 630 | 59.5 | 63.6 | 67.3 | 68.2 | 70.8 | 71.8 | 73.3 | 76.7 | 79.5 | 79.7 | 78.8 | 74.3 | 67.0 |
| VEHICLE | 800 | 58.1 | 62.7 | 65.9 | 67.2 | 69.5 | 71.3 | 72.8 | 76.7 | 77.7 | 78.8 | 77.5 | 72.0 | 63.4 |
| CONFIG NC58 | 1000 | 56.7 | 62.4 | 65.3 | 67.6 | 69.5 | 71.8 | 72.5 | 76.1 | 77.0 | 77.5 | 77.1 | 70.7 | 61.4 |
| LOC C41 ANECH CH | 1250 | 55.0 | 61.7 | 64.7 | 67.1 | 70.1 | 71.6 | 73.8 | 75.3 | 76.5 | 76.3 | 75.4 | 69.4 | 59.8 |
| DATE 06-16-76 | 1600 | 53.0 | 59.8 | 63.3 | 66.3 | 69.0 | 71.4 | 73.3 | 74.5 | 74.8 | 74.7 | 73.9 | 66.3 | 56.0 |
| RUN CONF/VELDEPN | 2000 | 49.8 | 60.0 | 62.8 | 65.6 | 68.2 | 68.6 | 71.7 | 72.9 | 73.5 | 72.3 | 70.1 | 63.5 | 52.2 |
| TAPE X41070 | 2500 | 45.7 | 56.1 | 59.8 | 63.3 | 65.7 | 66.9 | 69.0 | 69.2 | 68.8 | 67.7 | 64.9 | 58.1 | 45.4 |
| FAN TIP SPEED | 3150 | 39.2 | 50.5 | 55.3 | 59.6 | 62.9 | 63.4 | 66.2 | 64.7 | 65.0 | 62.2 | 58.5 | 50.3 | 33.8 |
| FT/SEC | 4000 | 29.3 | 41.3 | 47.8 | 52.0 | 57.6 | 57.6 | 60.1 | 57.1 | 57.3 | 53.0 | 47.9 | 36.7 | 16.1 |
| | 5000 | 22.7 | 36.5 | 41.7 | 47.7 | 51.9 | 53.1 | 53.9 | 52.3 | 53.2 | 47.1 | 42.9 | 27.7 | 5.2 |
| | 6300 | 8.4 | 24.2 | 32.4 | 38.6 | 43.0 | 43.3 | 45.7 | 42.6 | 41.7 | 34.3 | 28.2 | 10.7 | |
| | 8000 | | 3.6 | 15.6 | 22.2 | 26.3 | 27.7 | 30.1 | 26.1 | 24.1 | 16.4 | 6.4 | | |
| | 10000 | | | | | 3.1 | 5.1 | 6.7 | 2.7 | | | | | |

REPRODUCTION
ORIGIN

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 4107 ACUSTIC RANGE SIZE
731.5m(2400ft.) SIDELINE FULL-33m(108in.)

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

| FREQ. | FULL SIZE SOUND PRESSURE LEVELS | | | | | SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | 0. 0. 0. 0. 0. | | | | |
|--------------------|---------------------------------|--------|--------|--------|--------|---|--------|--------|--------|--------|----------------|--------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.13) |
| SIDELINE 2400. FT. | 50 | 52.7 | 56.8 | 59.7 | 60.2 | 62.2 | 63.9 | 65.7 | 67.4 | 68.7 | 72.7 | 76.5 | 76.2 | 73.0 | 70.0 |
| (731.52 M) | 63 | 54.0 | 59.1 | 60.0 | 62.5 | 65.3 | 66.0 | 68.5 | 70.7 | 74.7 | 78.3 | 78.5 | 75.0 | 72.0 | 69.0 |
| NFA | 100 | 55.5 | 59.1 | 62.2 | 63.2 | 65.0 | 66.5 | 67.0 | 69.5 | 72.4 | 76.4 | 80.3 | 79.1 | 74.9 | 71.9 |
| (1. RPH) | 125 | 56.2 | 59.1 | 61.9 | 63.0 | 65.2 | 67.0 | 68.2 | 70.5 | 72.7 | 78.1 | 80.0 | 78.8 | 74.1 | 71.1 |
| (0. RAD/SEC) | 160 | 56.9 | 60.6 | 62.5 | 64.5 | 66.3 | 68.5 | 69.5 | 71.5 | 75.2 | 78.4 | 79.0 | 77.5 | 72.0 | 69.0 |
| NFK | 200 | 58.0 | 61.9 | 63.8 | 65.9 | 67.7 | 69.4 | 70.7 | 73.1 | 76.6 | 80.0 | 79.3 | 76.3 | 70.5 | 67.5 |
| (0. RAD/SEC) | 250 | 59.2 | 63.0 | 66.4 | 67.2 | 69.0 | 71.0 | 71.8 | 74.5 | 78.2 | 79.8 | 78.3 | 75.6 | 69.3 | 66.3 |
| NFD (7500. RPM) | 315 | 59.2 | 64.0 | 65.5 | 68.4 | 69.9 | 71.9 | 72.2 | 74.6 | 78.3 | 80.4 | 79.0 | 76.0 | 69.8 | 66.8 |
| (785. RAD/SEC) | 400 | 59.1 | 62.7 | 66.8 | 67.6 | 69.9 | 71.7 | 73.2 | 75.6 | 79.3 | 79.8 | 78.1 | 75.5 | 69.0 | 66.0 |
| AIRFLOW RATIO | 500 | 58.4 | 62.9 | 66.2 | 67.6 | 70.0 | 71.8 | 72.7 | 75.9 | 79.0 | 79.3 | 77.5 | 74.5 | 67.6 | 64.6 |
| WF/HM 4.78 | 630 | 58.7 | 63.1 | 66.5 | 68.4 | 70.5 | 72.1 | 73.3 | 76.7 | 79.5 | 79.4 | 78.1 | 74.1 | 66.8 | 63.8 |
| VEHICLE | 800 | 57.1 | 62.2 | 65.4 | 66.9 | 70.1 | 71.3 | 73.3 | 76.7 | 78.2 | 78.3 | 76.5 | 73.0 | 66.4 | 63.4 |
| CELL41 | 1000 | 56.0 | 62.4 | 65.3 | 67.8 | 69.8 | 71.6 | 73.5 | 76.3 | 77.8 | 77.6 | 76.1 | 71.5 | 63.5 | 60.5 |
| CONFIG | 1250 | 54.5 | 61.2 | 64.5 | 66.4 | 70.1 | 71.6 | 73.8 | 75.9 | 76.5 | 76.4 | 74.4 | 70.2 | 61.0 | 58.0 |
| LOC C41 ANECH CH | 1600 | 53.5 | 60.1 | 63.1 | 66.3 | 69.1 | 71.1 | 73.3 | 75.1 | 75.6 | 75.3 | 72.2 | 67.9 | 58.3 | 55.3 |
| DATE 06-16-76 | 2000 | 50.4 | 59.6 | 63.6 | 65.5 | 68.8 | 69.9 | 72.3 | 73.5 | 73.6 | 72.9 | 69.4 | 64.9 | 53.6 | 50.6 |
| RUN CONF4VELDEPN | 2500 | 46.1 | 56.0 | 60.1 | 63.2 | 65.8 | 67.2 | 69.8 | 70.1 | 70.4 | 68.6 | 64.6 | 59.2 | 45.8 | 42.8 |
| TAPE X41080 | 3150 | 40.1 | 50.7 | 55.2 | 59.5 | 62.9 | 63.8 | 66.1 | 65.8 | 66.2 | 63.2 | 58.5 | 51.7 | 34.7 | 31.7 |
| FAN TIP SPEED | 4000 | 30.0 | 41.0 | 47.5 | 52.5 | 57.3 | 58.1 | 60.6 | 58.1 | 53.5 | 47.4 | 38.7 | 17.6 | 7.0 | 4.0 |
| FT/SEC | 5000 | 23.8 | 36.0 | 42.6 | 47.3 | 51.9 | 52.6 | 53.7 | 53.4 | 53.8 | 48.2 | 42.5 | 29.5 | 13.4 | 8.4 |
| | 6300 | 9.2 | 24.1 | 32.8 | 38.5 | 43.2 | 43.5 | 45.6 | 43.8 | 42.1 | 35.8 | 27.0 | 13.4 | 5.3 | 2.3 |
| | 8000 | 3.6 | 15.7 | 22.5 | 26.1 | 27.9 | 29.9 | 27.2 | 25.0 | 18.3 | 5.3 | | | | |
| OVERALL CALCULATED | 12500 | 69.4 | 74.0 | 77.0 | 78.8 | 81.1 | 82.8 | 84.3 | 86.7 | 89.1 | 90.5 | 90.1 | 87.9 | 82.7 | 77.7 |
| PND8 | | 74.4 | 81.3 | 85.0 | 87.2 | 90.2 | 91.6 | 93.6 | 95.1 | 96.4 | 96.7 | 94.7 | 91.4 | 84.1 | 77.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 4108 ACQUSTIC RANGE FULL - 33m (513in²)

731.5m (2400ft.) SIDELINE

FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.5)(4.0) P.W.

RDG. NO. 1.
RADIAL (12. H)

VEHICLE CELL 41

CONF. NC36

LOC C41 ANECH CH

DATE 06-14-76

RUN CONF4VELOEPN

TAPE X41100

BAR 29.4 HG

(99164. N/M2)

TAMB 77. DEG F

(298. DEG K)

TWET 71. DEG F

(295. DEG K)

HACT16.79 GM/M3

(.01679 KG/M3)

FREQ. SHIFT

JET

DIAMETER RATIO

OF/DH 1

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| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. | 10010. | 10020. | 10030. | 10040. | 10050. | 10060. | 10070. | 10080. | 10090. | 10100. | 10110. | 10120. | 10130. | 10140. | 10150. | 10160. | 10170. | 10180. | 10190. | 10200. | 10210. | 10220. | 10230. | 10240. | 10250. | 10260. | 10270. | 10280. | 10290. | 10300. | 10310. | 10320. | 10330. | 10340. | 10350. | 10360. | 10370. | 10380. | 10390. | 10400. | 10410. | 10420. | 10430. | 10440. | 10450. | 10460. | 10470. | 10480. | 10490. | 10500. | 10510. | 10520. | 10530. | 10540. | 10550. | 10560. | 10570. | 10580. | 10590. | 10600. | 10610. | 10620. | 10630. | 10640. | 10650. | 10660. | 10670. | 10680. | 10690. | 10700. | 10710. | 10720. | 10730. | 10740. | 10750. | 10760. | 10770. | 10780. | 10790. | 10800. | 10810. | 10820. | 10830. | 10840. | 10850. | 10860. | 10870. | 10880. | 10890. | 10900. | 10910. | 10920. | 10930. | 10940. | 10950. | 10960. | 10970. | 10980. | 10990. | 11000. | 11010. | 11020. | 11030. | 11040. | 11050. | 11060. | 11070. | 11080. | 11090. | 11100. | 11110. | 11120. | 11130. | 11140. | 11150. | 11160. | 11170. | 11180. | 11190. | 11200. | 11210. | 11220. | 11230. | 11240. | 11250. | 11260. | 11270. | 11280. | 11290. | 11300. | 11310. | 11320. | 11330. | 11340. | 11350. | 11360. | 11370. | 11380. | 11390. | 11400. | 11410. | 11420. | 11430. | 11440. | 11450. | 11460. | 11470. | 11480. | 11490. | 11500. | 11510. | 11520. | 11530. | 11540. | 11550. | 11560. | 11570. | 11580. | 11590. | 11600. | 11610. | 11620. | 11630. | 11640. | 11650. | 11660. | 11670. | 11680. | 11690. | 11700. | 11710. | 11720. | 11730. | 11740. | 11750. | 11760. | 11770. | 11780. | 11790. | 11800. | 11810. | 11820. | 11830. | 11840. | 11850. | 11860. | 11870. | 11880. | 11890. | 11900. | 11910. | 11920. | 11930. | 11940. | 11950. | 11960. | 11970. | 11980. | 11990. | 12000. | 12010. | 12020. | 12030. | 12040. | 12050. | 12060. | 12070. | 12080. | 12090. | 12100. | 12110. | 12120. | 12130. | 12140. | 12150. | 12160. | 12170. | 12180. | 12190. | 12200. | 12210. | 12220. | 12230. | 12240. | 12250. | 12260. | 12270. | 12280. | 12290. | 12300. | 12310. | 12320. | 12330. | 12340. | 12350. | 12360. | 12370. | 12380. | 12390. | 12400. | 12410. | 12420. | 12430. | 12440. | 12450. | 12460. | 12470. | 12480. | 12490. | 12500. | 12510. | 12520. | 12530. | 12540. | 12550. | 12560. | 12570. | 12580. | 12590. | 12600. | 12610. | 12620. | 12630. | 12640. | 12650. | 12660. | 12670. | 12680. | 12690. | 12700. | 12710. | 12720. | 12730. | 12740. | 12750. | 12760. | 12770. | 12780. | 12790. | 12800. | 12810. | 12820. | 12830. | 12840. | 12850. | 12860. | 12870. | 12880. | 12890. | 12900. | 12910. | 12920. | 12930. | 12940. | 12950. | 12960. | 12970. | 12980. | 12990. | 13000. | 13010. | 13020. | 13030. | 13040. | 13050. | 13060. | 13070. | 13080. | 13090. | 13100. | 13110. | 13120. | 13130. | 13140. | 13150. | 13160. | 13170. | 13180. | 13190. | 13200. | 13210. | 13220. | 13230. | 13240. | 13250. | 13260. | 13270. | 13280. | 13290. | 13300. | 13310. | 13320. | 13330. | 13340. | 13350. | 13360. | 13370. | 13380. | 13390. | 13400. | 13410. | 13420. | 13430. | 13440. | 13450. | 13460. | 13470. | 13480. | 13490. | 13500. | |
|-------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----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|-------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|----------------|---|
| ✓ | 4110 | 45.7m(150ft.) | FULL-33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 8 DAY 27 HR. 12.2

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | | |
|--|----------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANs) | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 90. | 180. |
| FREQ. | RDG. NO. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (90.) | (180.) |
| 50 | 82.9 | 85.7 | 87.2 | 87.5 | 88.6 | 88.8 | 89.9 | 92.3 | 94.5 | 95.9 | 100.5 | 107.5 | 109.9 | 110.4 | 155.1 | | |
| 63 | 83.8 | 83.8 | 86.8 | 88.8 | 91.9 | 93.0 | 93.4 | 95.8 | 98.3 | 103.1 | 108.8 | 112.8 | 112.5 | 157.3 | 155.1 | | |
| 80 | 86.3 | 87.6 | 89.6 | 89.9 | 91.5 | 92.6 | 94.0 | 96.6 | 99.6 | 104.9 | 111.4 | 113.8 | 113.1 | 158.6 | 158.6 | | |
| 100 | 86.9 | 88.4 | 88.9 | 91.0 | 92.3 | 93.9 | 95.3 | 97.7 | 100.9 | 106.7 | 112.4 | 114.6 | 113.7 | 159.6 | 159.6 | | |
| 125 | 88.2 | 90.0 | 90.0 | 92.1 | 93.6 | 95.0 | 96.4 | 98.8 | 102.0 | 107.1 | 112.3 | 114.7 | 113.3 | 159.6 | 159.6 | | |
| 160 | 89.5 | 91.0 | 91.3 | 93.3 | 94.7 | 95.8 | 97.4 | 98.5 | 100.1 | 104.0 | 108.1 | 111.8 | 114.2 | 114.0 | 159.8 | | |
| 200 | 91.6 | 92.6 | 93.6 | 94.4 | 95.8 | 96.9 | 98.5 | 101.2 | 104.6 | 107.9 | 110.7 | 112.6 | 113.1 | 159.0 | 159.0 | | |
| 250 | 91.7 | 93.0 | 94.2 | 95.3 | 96.1 | 97.7 | 98.8 | 102.8 | 105.5 | 108.3 | 109.5 | 111.9 | 112.2 | 153.6 | 153.6 | | |
| 315 | 92.3 | 94.1 | 93.8 | 95.9 | 96.7 | 98.3 | 99.5 | 101.9 | 106.3 | 108.7 | 109.4 | 112.0 | 112.1 | 158.8 | 158.8 | | |
| 400 | 92.6 | 93.6 | 94.9 | 95.4 | 97.0 | 98.1 | 100.5 | 103.2 | 105.9 | 108.5 | 108.9 | 111.4 | 111.4 | 158.5 | 158.5 | | |
| 500 | 92.7 | 94.5 | 95.3 | 95.8 | 97.4 | 98.5 | 100.6 | 103.8 | 107.3 | 107.9 | 109.1 | 111.5 | 111.3 | 158.7 | 158.7 | | |
| 630 | 93.0 | 94.5 | 95.5 | 97.1 | 98.4 | 99.0 | 100.9 | 104.8 | 107.3 | 108.9 | 109.3 | 112.2 | 111.5 | 159.2 | 159.2 | | |
| 800 | 92.3 | 94.1 | 95.6 | 96.7 | 97.7 | 99.4 | 101.2 | 104.9 | 107.4 | 108.5 | 108.9 | 112.3 | 110.6 | 159.1 | 159.1 | | |
| 1000 | 92.4 | 94.5 | 96.0 | 97.3 | 98.6 | 100.0 | 101.9 | 105.1 | 107.0 | 107.9 | 109.3 | 112.5 | 110.2 | 159.4 | 159.4 | | |
| 1250 | 91.6 | 95.9 | 97.0 | 98.5 | 99.6 | 100.9 | 103.3 | 105.4 | 107.2 | 107.8 | 110.5 | 110.9 | 108.6 | 159.3 | 159.3 | | |
| 1600 | 92.5 | 95.6 | 97.2 | 99.2 | 100.3 | 101.1 | 103.8 | 105.4 | 107.2 | 107.8 | 110.5 | 110.9 | 108.6 | 159.3 | 159.3 | | |
| 2000 | 91.9 | 97.5 | 98.3 | 99.6 | 101.1 | 100.5 | 103.4 | 105.1 | 107.6 | 107.5 | 109.9 | 110.3 | 108.0 | 159.1 | 159.1 | | |
| 2500 | 90.4 | 95.6 | 97.5 | 100.2 | 101.0 | 100.6 | 103.3 | 104.1 | 105.7 | 105.7 | 107.6 | 108.6 | 106.9 | 157.9 | 157.9 | | |
| 3150 | 88.7 | 94.0 | 96.4 | 99.3 | 100.9 | 101.0 | 103.4 | 102.9 | 105.6 | 104.6 | 106.2 | 107.5 | 105.5 | 157.4 | 157.4 | | |
| 4000 | 86.6 | 91.1 | 94.7 | 97.4 | 100.9 | 99.7 | 102.6 | 100.2 | 103.2 | 102.0 | 103.6 | 105.1 | 104.7 | 155.8 | 155.8 | | |
| 5000 | 85.4 | 90.6 | 92.2 | 95.5 | 98.3 | 98.5 | 99.8 | 99.4 | 102.5 | 100.1 | 102.4 | 101.8 | 102.9 | 154.2 | 154.2 | | |
| 6300 | 84.9 | 90.2 | 93.0 | 96.5 | 98.8 | 99.0 | 101.4 | 99.5 | 100.8 | 98.1 | 100.6 | 103.0 | 101.5 | 153.2 | 153.2 | | |
| 8000 | 81.0 | 86.5 | 90.6 | 93.4 | 95.7 | 95.5 | 98.2 | 96.8 | 98.8 | 97.6 | 99.2 | 101.4 | 93.3 | 150.5 | 150.5 | | |
| 10000 | 75.5 | 81.1 | 86.0 | 88.6 | 89.4 | 90.5 | 92.3 | 92.0 | 95.2 | 93.7 | 98.3 | 97.9 | 94.6 | 150.0 | 150.0 | | |
| 12500 | 72.6 | 77.5 | 83.3 | 86.0 | 86.1 | 87.2 | 89.6 | 89.3 | 91.8 | 92.8 | 96.7 | 95.7 | 93.5 | 154.3 | 154.3 | | |
| 16000 | 73.0 | 77.2 | 83.8 | 85.7 | 84.9 | 86.6 | 93.2 | 88.6 | 92.8 | 93.7 | 98.6 | 97.3 | 93.8 | 154.3 | 154.3 | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | |
| PNDB | | 114.9 | 119.0 | 120.8 | 123.1 | 124.7 | 125.1 | 127.3 | 128.0 | 130.6 | 130.7 | 133.0 | 134.5 | 133.3 | 172.0 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT |
|---------------|------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| 21 | 21 |
| 22 | 22 |
| 23 | 23 |
| 24 | 24 |
| 25 | 25 |
| 26 | 26 |
| 27 | 27 |
| 28 | 28 |
| 29 | 29 |
| 30 | 30 |
| 31 | 31 |
| 32 | 32 |
| 33 | 33 |
| 34 | 34 |
| 35 | 35 |
| 36 | 36 |
| 37 | 37 |
| 38 | 38 |
| 39 | 39 |
| 40 | 40 |
| 41 | 41 |
| 42 | 42 |
| 43 | 43 |
| 44 | 44 |
| 45 | 45 |
| 46 | 46 |
| 47 | 47 |
| 48 | 48 |
| 49 | 49 |
| 50 | 50 |
| 51 | 51 |
| 52 | 52 |
| 53 | 53 |
| 54 | 54 |
| 55 | 55 |
| 56 | 56 |
| 57 | 57 |
| 58 | 58 |
| 59 | 59 |
| 60 | 60 |
| 61 | 61 |
| 62 | 62 |
| 63 | 63 |
| 64 | 64 |
| 65 | 65 |
| 66 | 66 |
| 67 | 67 |
| 68 | 68 |
| 69 | 69 |
| 70 | 70 |
| 71 | 71 |
| 72 | 72 |
| 73 | 73 |
| 74 | 74 |
| 75 | 75 |
| 76 | 76 |
| 77 | 77 |
| 78 | 78 |
| 79 | 79 |
| 80 | 80 |
| 81 | 81 |
| 82 | 82 |
| 83 | 83 |
| 84 | 84 |
| 85 | 85 |
| 86 | 86 |
| 87 | 87 |
| 88 | 88 |
| 89 | 89 |
| 90 | 90 |
| 91 | 91 |
| 92 | 92 |
| 93 | 93 |
| 94 | 94 |
| 95 | 95 |
| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

| TEST POINT | ACOUSTIC RANGE |
|------------|----------------|
| 1 | 100 |
| 2 | 100 |
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |
| 6 | 100 |
| 7 | 100 |
| 8 | 100 |
| 9 | 100 |
| 10 | 100 |
| 11 | 100 |
| 12 | 100 |
| 13 | 100 |
| 14 | 100 |
| 15 | 100 |
| 16 | 100 |
| 17 | 100 |
| 18 | 100 |
| 19 | 100 |
| 20 | 100 |
| 21 | 100 |
| 22 | 100 |
| 23 | 100 |
| 24 | 100 |
| 25 | 100 |
| 26 | 100 |
| 27 | 100 |
| 28 | 100 |
| 29 | 100 |
| 30 | 100 |
| 31 | 100 |
| 32 | 100 |
| 33 | 100 |
| 34 | 100 |
| 35 | 100 |
| 36 | 100 |
| 37 | 100 |
| 38 | 100 |
| 39 | 100 |
| 40 | 100 |
| 41 | 100 |
| 42 | 100 |
| 43 | 100 |
| 44 | 100 |
| 45 | 100 |
| 46 | 100 |
| 47 | 100 |
| 48 | 100 |
| 49 | 100 |
| 50 | 100 |
| 51 | 100 |
| 52 | 100 |
| 53 | 100 |
| 54 | 100 |
| 55 | 100 |
| 56 | 100 |
| 57 | 100 |
| 58 | 100 |
| 59 | 100 |
| 60 | 100 |
| 61 | 100 |
| 62 | 100 |
| 63 | 100 |
| 64 | 100 |
| 65 | 100 |
| 66 | 100 |
| 67 | 100 |
| 68 | 100 |
| 69 | 100 |
| 70 | 100 |
| 71 | 100 |
| 72 | 100 |
| 73 | 100 |
| 74 | 100 |
| 75 | 100 |
| 76 | 100 |
| 77 | 100 |
| 78 | 100 |
| 79 | 100 |
| 80 | 100 |
| 81 | 100 |
| 82 | 100 |
| 83 | 100 |
| 84 | 100 |
| 85 | 100 |
| 86 | 100 |
| 87 | 100 |
| 88 | 100 |
| 89 | 100 |
| 90 | 100 |
| 91 | 100 |
| 92 | 100 |
| 93 | 100 |
| 94 | 100 |
| 95 | 100 |
| 96 | 100 |
| 97 | 100 |
| 98 | 100 |
| 99 | 100 |
| 100 | 100 |

SIZE
FULL-.33m²(513in²)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PWL | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. |
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.31) | (3.49) | (3.66) | (3.84) | (4.01) | (4.19) | (4.36) | (4.54) | (4.71) | (4.89) | (5.06) | (5.24) | (5.41) | (5.59) | (5.76) | (5.94) | (6.11) | |
| 53 | 81.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 80 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 100 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 125 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 150 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 175 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 200 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 225 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 250 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 275 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 300 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 325 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 350 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 375 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 400 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 425 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 450 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 475 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 500 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 525 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 550 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 575 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 600 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 625 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 650 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 675 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 700 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 725 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 750 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 775 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 800 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 825 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 850 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 875 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 900 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 925 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 950 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 975 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1000 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1025 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1050 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1075 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1100 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1125 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1150 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1175 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1200 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1225 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1250 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1275 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1300 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1325 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1350 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1375 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94.0 | 98.2 | 98.1 | 101.2 | 135.7 | | | | | | | | | | | | | | | | | | | |
| 1400 | 21.6 | 90.7 | 87.4 | 89.7 | 90.8 | 90.4 | 91.3 | 91.7 | 92.2 | 94. | | | | | | | | | | | | | | | | | | | | | | | |

ANFCHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 4 | 4113 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELSPROC. DATE - MONTH 8 DAY 27 HR. 12.2
F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
|--------------------|----|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | PWL | |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | |
| RDG. NO. | 0. | 50 | 83.4 | 87.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 157.2 | |
| RADIAL 150. FT. | | 63 | 85.5 | 90.5 | 88.5 | 90.8 | 92.7 | 94.3 | 95.4 | 97.1 | 98.8 | 100.4 | 101.3 | 101.3 | 101.3 | 159.5 | |
| (46. M) | | 80 | 88.1 | 89.8 | 91.1 | 91.1 | 93.0 | 93.8 | 95.7 | 98.1 | 101.3 | 107.6 | 114.1 | 116.8 | 115.6 | 161.4 | |
| VEHICLE CELL41 | | 100 | 88.1 | 89.7 | 90.4 | 91.4 | 93.3 | 94.9 | 96.0 | 98.9 | 102.4 | 109.0 | 114.9 | 117.1 | 115.7 | 161.9 | |
| CONFIG NC56 | | 125 | 89.7 | 91.3 | 91.8 | 93.3 | 94.6 | 95.8 | 97.6 | 100.6 | 104.0 | 109.3 | 116.0 | 118.5 | 116.8 | 163.1 | |
| LOC C41 ANECH CH | | 160 | 91.5 | 92.5 | 93.5 | 94.8 | 95.9 | 98.5 | 98.9 | 101.3 | 105.3 | 110.1 | 116.3 | 119.0 | 117.5 | 163.7 | |
| DATE 06-14-76 | | 200 | 94.6 | 95.4 | 96.1 | 96.2 | 97.0 | 98.4 | 100.2 | 103.2 | 105.9 | 110.2 | 114.9 | 118.1 | 117.6 | 163.1 | |
| RUN CONFVELDEPN | | 250 | 93.9 | 95.7 | 96.5 | 97.0 | 98.1 | 99.7 | 101.1 | 103.7 | 107.0 | 110.0 | 113.7 | 118.7 | 117.2 | 163.1 | |
| TAPE X41130 | | 315 | 95.3 | 96.3 | 96.1 | 97.4 | 98.5 | 99.1 | 101.2 | 103.9 | 107.6 | 110.4 | 113.4 | 117.5 | 117.1 | 162.7 | |
| BAR 29.4 H5 | | 400 | 100.6 | 98.9 | 98.1 | 97.9 | 98.5 | 99.4 | 102.0 | 104.2 | 107.4 | 110.0 | 112.4 | 116.6 | 114.9 | 161.8 | |
| (99178. N/M2) | | 500 | 103.5 | 102.0 | 101.5 | 100.5 | 99.9 | 100.2 | 102.4 | 105.0 | 108.5 | 109.4 | 111.6 | 116.0 | 113.5 | 161.6 | |
| TAMB 82. DEG F | | 630 | 101.5 | 101.8 | 102.3 | 102.6 | 102.6 | 101.5 | 102.9 | 105.1 | 108.8 | 109.9 | 111.8 | 115.2 | 112.5 | 161.5 | |
| (301. DEG K) | | 800 | 98.5 | 99.6 | 100.4 | 101.4 | 102.7 | 102.8 | 103.5 | 106.1 | 107.6 | 109.5 | 111.4 | 114.3 | 110.3 | 160.9 | |
| THET 73. DEG F | | 1000 | 97.7 | 99.2 | 100.5 | 101.8 | 101.9 | 103.0 | 104.4 | 106.8 | 108.3 | 108.9 | 111.8 | 113.2 | 110.0 | 160.8 | |
| (296. DEG K) | | 1250 | 96.8 | 99.1 | 100.4 | 101.2 | 102.8 | 102.9 | 105.3 | 107.0 | 108.4 | 108.8 | 111.5 | 112.6 | 109.6 | 160.7 | |
| HACT17.61 GM/M3 | | 1600 | 96.2 | 98.3 | 99.7 | 101.7 | 103.0 | 103.3 | 105.2 | 107.7 | 109.2 | 108.8 | 111.0 | 111.6 | 107.8 | 160.6 | |
| (.01761 KG/M3) | | 2000 | 94.6 | 98.5 | 100.1 | 101.6 | 103.4 | 102.7 | 105.4 | 106.8 | 109.3 | 108.5 | 110.1 | 111.0 | 107.2 | 160.3 | |
| FREQ. SHIFT | | 2500 | 92.6 | 96.8 | 98.9 | 100.9 | 102.5 | 102.6 | 105.2 | 107.4 | 107.4 | 107.4 | 107.8 | 109.1 | 106.1 | 159.1 | |
| JET 7 | | 3150 | 91.4 | 95.7 | 98.1 | 101.0 | 102.8 | 103.4 | 105.3 | 104.6 | 107.1 | 105.3 | 106.7 | 108.2 | 105.7 | 158.6 | |
| DIAMETER RATIO | | 4000 | 89.5 | 93.8 | 96.6 | 99.0 | 102.6 | 101.7 | 105.1 | 102.6 | 104.2 | 102.4 | 103.8 | 105.2 | 102.4 | 157.2 | |
| DF/DM 4.78 | | 5000 | 88.0 | 92.5 | 94.6 | 97.5 | 100.0 | 100.2 | 102.0 | 101.8 | 104.2 | 100.8 | 103.1 | 102.2 | 100.3 | 155.6 | |
| | | 6300 | 86.8 | 91.8 | 94.9 | 97.7 | 99.9 | 99.9 | 102.3 | 100.9 | 102.7 | 99.5 | 101.0 | 103.7 | 98.0 | 155.6 | |
| | | 8000 | 83.6 | 88.6 | 92.9 | 96.0 | 97.3 | 97.4 | 100.1 | 98.5 | 100.9 | 99.0 | 100.6 | 102.0 | 95.0 | 154.6 | |
| | | 10000 | 78.9 | 84.4 | 89.3 | 93.4 | 92.2 | 93.3 | 95.1 | 94.3 | 97.0 | 95.4 | 98.3 | 98.2 | 89.9 | 152.1 | |
| | | 12500 | 74.9 | 80.2 | 87.5 | 92.2 | 88.8 | 90.0 | 91.8 | 92.0 | 94.5 | 93.9 | 97.6 | 95.2 | 84.6 | 151.6 | |
| | | 16000 | 73.4 | 80.5 | 88.3 | 93.8 | 88.5 | 89.9 | 92.3 | 89.9 | 95.0 | 95.1 | 97.5 | 95.8 | 85.2 | 155.0 | |
| OVERALL CALCULATED | | | 109.6 | 110.5 | 111.4 | 112.7 | 113.9 | 114.1 | 116.2 | 117.6 | 120.1 | 121.7 | 125.7 | 128.6 | 127.1 | 174.6 | |
| PND8 | | | 118.8 | 121.5 | 123.2 | 125.2 | 126.8 | 126.8 | 129.2 | 129.7 | 132.1 | 132.1 | 134.4 | 136.4 | 133.9 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4
TEST POINT 4113
ACOUSTIC RANGE 45.7m(150ft.) ARC

SIZE
FULL-.33m²(513in²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 4 | 4113 | 731.5m(2400ft.) | FULL - 33m ² (531in ²) |

SIZE

FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)
 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160.

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------|
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) (0.) (0.) (0.) |
| 50 | 75.9 | 85.7 | 84.2 | 83.0 | 87.0 | 87.2 | 86.8 | 88.0 | 88.4 | 90.2 | 94.7 | 93.9 | 96.2 | 131.5 |
| 63 | 75.8 | 79.6 | 81.6 | 83.7 | 85.0 | 86.4 | 87.0 | 88.2 | 88.6 | 86.7 | 94.9 | 96.1 | 96.6 | 131.4 |
| 80 | 76.4 | 79.7 | 82.2 | 82.0 | 83.0 | 83.4 | 83.5 | 85.5 | 87.7 | 93.5 | 96.7 | 97.9 | 98.9 | 132.9 |
| 100 | 79.8 | 80.0 | 81.3 | 83.3 | 84.2 | 84.8 | 85.7 | 88.3 | 91.3 | 95.4 | 99.6 | 103.3 | 104.3 | 137.0 |
| 125 | 78.8 | 81.8 | 83.1 | 83.1 | 84.2 | 84.8 | 86.1 | 88.5 | 90.1 | 92.8 | 98.4 | 103.6 | 105.3 | 139.3 |
| 150 | 80.2 | 84.2 | 83.4 | 85.2 | 87.6 | 88.4 | 89.6 | 91.5 | 95.4 | 100.5 | 105.5 | 108.1 | 107.4 | 141.6 |
| 175 | 82.2 | 83.7 | 86.0 | 86.0 | 87.3 | 89.2 | 90.1 | 93.0 | 98.7 | 102.3 | 107.0 | 108.9 | 108.0 | 142.6 |
| 200 | 82.8 | 84.0 | 85.5 | 86.3 | 87.9 | 89.5 | 90.7 | 93.8 | 97.8 | 103.9 | 108.1 | 109.7 | 108.0 | 143.5 |
| 250 | 83.6 | 85.6 | 86.4 | 87.7 | 89.0 | 90.4 | 92.3 | 95.2 | 98.9 | 104.0 | 107.4 | 109.3 | 107.9 | 143.3 |
| 315 | 84.6 | 86.4 | 87.4 | 88.7 | 90.5 | 92.4 | 94.4 | 97.8 | 100.7 | 105.2 | 106.7 | 107.4 | 105.9 | 142.7 |
| 400 | 86.3 | 88.3 | 90.8 | 91.1 | 91.9 | 93.8 | 94.9 | 98.1 | 102.3 | 105.3 | 106.0 | 105.2 | 104.2 | 142.2 |
| 500 | 86.6 | 89.4 | 90.2 | 91.7 | 93.3 | 94.7 | 95.8 | 98.5 | 103.4 | 105.6 | 105.8 | 106.0 | 103.8 | 142.6 |
| 630 | 86.9 | 88.7 | 90.7 | 91.5 | 93.6 | 94.5 | 96.3 | 99.7 | 103.7 | 105.8 | 106.0 | 105.9 | 103.7 | 142.9 |
| 800 | 86.5 | 89.1 | 90.6 | 91.9 | 93.7 | 95.1 | 96.7 | 100.1 | 104.6 | 105.2 | 105.9 | 106.0 | 103.6 | 143.0 |
| 1000 | 86.5 | 89.3 | 91.8 | 92.6 | 94.7 | 95.3 | 97.7 | 100.8 | 105.3 | 106.1 | 107.3 | 106.2 | 104.0 | 144.0 |
| 1250 | 86.8 | 88.8 | 91.3 | 92.4 | 93.7 | 96.1 | 97.7 | 101.9 | 103.3 | 105.9 | 105.9 | 106.0 | 102.8 | 143.5 |
| 1500 | 86.4 | 88.7 | 91.7 | 93.3 | 94.3 | 96.7 | 98.1 | 101.8 | 103.7 | 105.8 | 106.5 | 105.2 | 103.7 | 143.7 |
| 1750 | 86.2 | 89.5 | 91.8 | 92.6 | 93.7 | 97.5 | 99.2 | 102.3 | 103.8 | 105.9 | 106.4 | 104.8 | 104.0 | 144.0 |
| 2000 | 86.3 | 89.6 | 91.4 | 93.4 | 96.2 | 97.9 | 100.2 | 102.4 | 103.7 | 106.1 | 106.5 | 104.4 | 104.4 | 144.2 |
| 2500 | 85.2 | 90.6 | 92.4 | 94.1 | 96.7 | 97.3 | 100.5 | 102.4 | 103.4 | 104.6 | 105.2 | 104.6 | 104.3 | 143.0 |
| 3150 | 83.9 | 89.9 | 91.8 | 93.5 | 96.0 | 96.9 | 99.8 | 100.4 | 102.0 | 102.7 | 103.1 | 103.2 | 103.1 | 144.2 |
| 4000 | 83.5 | 88.8 | 90.5 | 93.4 | 95.4 | 96.3 | 99.4 | 99.2 | 101.5 | 101.3 | 101.9 | 102.6 | 101.5 | 143.0 |
| 5000 | 80.8 | 85.4 | 88.3 | 90.6 | 94.6 | 96.7 | 97.9 | 96.2 | 98.5 | 98.4 | 98.5 | 99.4 | 99.7 | 141.5 |
| 6300 | 77.7 | 82.5 | 84.7 | 87.7 | 90.9 | 91.4 | 92.9 | 93.8 | 96.2 | 95.4 | 96.9 | 94.2 | 96.3 | 139.9 |
| 8000 | 75.5 | 80.7 | 83.7 | 85.8 | 89.1 | 88.8 | 92.0 | 91.4 | 93.2 | 92.8 | 93.5 | 94.6 | 93.3 | 139.8 |
| 10000 | 70.7 | 75.9 | 80.1 | 81.8 | 83.9 | 84.7 | 87.9 | 86.8 | 89.4 | 90.1 | 90.4 | 90.2 | 89.9 | 139.2 |
| 12500 | 65.4 | 69.4 | 74.5 | 75.7 | 76.0 | 77.3 | 81.1 | 80.1 | 82.7 | 84.6 | 86.6 | 83.6 | 82.5 | 137.5 |
| 15000 | 63.2 | 63.2 | 69.2 | 68.8 | 69.0 | 70.7 | 74.3 | 73.8 | 76.2 | 78.6 | 80.4 | 76.0 | 75.2 | 137.2 |
| 20000 | 57.0 | 59.5 | 66.5 | 63.8 | 63.4 | 65.1 | 72.2 | 67.2 | 71.2 | 75.1 | 77.6 | 71.1 | 69.8 | 142.7 |
| 25000 | 98.3 | 101.4 | 103.3 | 104.7 | 106.8 | 108.1 | 110.2 | 112.5 | 115.3 | 117.6 | 119.0 | 119.5 | 118.3 | 156.7 |
| 31500 | 110.8 | 113.4 | 115.5 | 116.4 | 118.4 | 119.8 | 121.5 | 124.9 | 128.0 | 130.0 | 131.4 | 131.1 | 129.3 | |
| 40000 | | | | | | | | | | | | | | |
| 50000 | | | | | | | | | | | | | | |
| 63000 | | | | | | | | | | | | | | |
| 80000 | | | | | | | | | | | | | | |

OVERALL MEASURED
 OVERALL CALCULATED

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 4114 ACOUSTIC RANGE 12.2m(40ft.) ARC
 SIZE MODEL-145cm²(22.4in²)

ANECHOIC JET NOISE TEST FACILITY RESULTS

378

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.35)(3.55)(3.75)(4.0) | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | 50 | 52.7 | 57.3 | 59.7 | 60.4 | 62.4 | 63.9 | 66.2 | 67.4 | 69.4 | 73.9 | 77.5 | 79.7 | 75.5 |
| | 63 | 54.0 | 59.6 | 60.0 | 62.5 | 65.3 | 66.3 | 67.3 | 68.7 | 72.0 | 75.9 | 79.3 | 79.7 | 75.5 |
| SIDELINE 2400. FT. (731.52 M) | | 80 | 56.0 | 59.1 | 62.4 | 63.2 | 65.3 | 67.0 | 67.7 | 70.2 | 73.2 | 77.7 | 80.4 | 75.9 |
| NFA (1. RPM | 100 | 56.4 | 59.3 | 61.9 | 63.5 | 65.3 | 67.2 | 68.2 | 71.0 | 74.2 | 79.1 | 81.7 | 81.1 | 75.8 |
| NFK (0. RAD/SEC) | 125 | 57.2 | 60.8 | 62.7 | 64.7 | 66.5 | 68.0 | 69.8 | 72.2 | 75.2 | 79.1 | 81.0 | 80.5 | 75.4 |
| | 160 | 58.0 | 61.4 | 63.6 | 65.6 | 67.9 | 69.9 | 71.2 | 73.6 | 76.8 | 80.3 | 80.1 | 78.3 | 73.0 |
| NFD (0. RAD/SEC) | 200 | 59.9 | 63.1 | 66.3 | 67.3 | 68.9 | 70.6 | 71.6 | 74.6 | 77.3 | 80.2 | 79.2 | 75.9 | 71.0 |
| | 250 | 59.2 | 63.0 | 66.7 | 67.7 | 69.0 | 71.0 | 72.0 | 74.7 | 78.2 | 80.3 | 78.8 | 76.4 | 70.1 |
| NFD (7500. RPM | 315 | 59.2 | 63.8 | 65.8 | 68.1 | 70.2 | 71.7 | 72.7 | 74.9 | 79.0 | 80.1 | 78.5 | 76.0 | 70.0 |
| | 400 | 59.1 | 62.7 | 66.0 | 67.6 | 70.2 | 71.2 | 72.9 | 75.9 | 79.0 | 79.8 | 78.1 | 75.3 | 68.5 |
| AIREFLOW RATIO | 500 | 58.2 | 62.7 | 65.5 | 67.6 | 70.0 | 71.5 | 73.0 | 75.9 | 79.5 | 78.8 | 77.5 | 74.7 | 67.3 |
| | 630 | 57.5 | 62.3 | 66.3 | 67.9 | 70.5 | 71.3 | 73.5 | 76.2 | 79.8 | 79.2 | 78.3 | 74.1 | 66.5 |
| VEHICLE | 800 | 56.9 | 61.2 | 65.2 | 67.2 | 69.1 | 71.6 | 73.1 | 76.7 | 77.2 | 78.3 | 76.0 | 72.7 | 63.6 |
| | 1000 | 55.5 | 60.2 | 64.8 | 67.3 | 69.0 | 71.6 | 72.8 | 75.8 | 76.8 | 77.3 | 75.6 | 70.5 | 62.5 |
| CONFIG NC58 | 1250 | 54.0 | 60.0 | 64.0 | 65.9 | 69.6 | 71.6 | 73.1 | 75.6 | 76.0 | 76.4 | 74.2 | 68.4 | 60.3 |
| LOC C41 ANECH CH | 1600 | 52.5 | 58.6 | 62.3 | 65.6 | 69.1 | 70.9 | 73.1 | 74.6 | 74.6 | 75.0 | 72.5 | 65.6 | 57.0 |
| DATE 06-16-76 | 2000 | 49.1 | 57.8 | 61.9 | 65.0 | 68.3 | 69.1 | 72.0 | 73.2 | 72.9 | 71.9 | 69.2 | 63.1 | 52.8 |
| RUN CONF4VELDEPN | 2500 | 44.8 | 54.7 | 59.1 | 62.4 | 65.8 | 66.9 | 69.6 | 69.3 | 69.4 | 67.6 | 64.0 | 57.7 | 45.5 |
| TAPE X41160 | 3150 | 39.6 | 49.7 | 54.4 | 59.3 | 62.3 | 63.5 | 66.3 | 65.1 | 65.4 | 62.2 | 58.0 | 50.7 | 34.2 |
| FAN TIP SPEED | 4000 | 29.5 | 40.2 | 47.0 | 51.8 | 57.1 | 57.6 | 60.3 | 57.3 | 57.3 | 53.2 | 47.2 | 37.7 | 17.6 |
| | 5000 | 23.0 | 34.8 | 41.3 | 47.0 | 51.7 | 52.6 | 53.7 | 53.1 | 52.8 | 47.7 | 42.3 | 27.7 | 6.4 |
| FT/SEC | 6300 | 8.7 | 23.1 | 31.8 | 37.5 | 42.6 | 42.9 | 45.5 | 43.0 | 41.3 | 35.2 | 26.7 | 11.9 | |
| | 8000 | | 3.1 | 15.2 | 21.7 | 26.3 | 27.9 | 30.3 | 26.6 | 24.4 | 17.3 | 4.7 | | |
| | 10000 | | | | | 2.7 | 5.2 | 7.8 | | 3.2 | | | | |
| | 12500 | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.3 | 73.5 | 76.7 | 78.7 | 81.0 | 82.7 | 84.2 | 86.7 | 89.1 | 90.7 | 90.7 | 89.1 | 83.9 |
| PN08 | | 74.0 | 80.2 | 84.1 | 86.9 | 89.9 | 91.2 | 93.4 | 94.9 | 96.0 | 96.5 | 94.9 | 91.5 | 84.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 4114 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | j. | 0. | PUL |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 4 | 4115 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

PROC. DATE - MONTH 8 DAY 27 HR. 12-2
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | FREQ. (40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 315. 330. 350. 370. 390. 400. 420. 440. 460. 480. 500. 530. 560. 590. 630. 670. 710. 750. 800. 850. 900. 950. 1000. 1060. 1120. 1180. 1250. 1320. 1400. 1500. 1600. 1700. 1800. 1900. 2000. 2100. 2200. 2300. 2400. 2500. 2600. 2700. 2800. 2900. 3000. 3150. 3300. 3500. 3700. 3900. 4000. 4200. 4400. 4600. 4800. 5000. 5300. 5600. 5900. 6300. 6700. 7100. 7500. 8000. 8500. 9000. 9500. 10000. 10600. 11200. 11800. 12500. 13200. 14000. 15000. 16000. 17000. 18000. 19000. 20000. 21000. 22000. 23000. 24000. 25000. 26000. 27000. 28000. 29000. 30000. 31500. 33000. 35000. 37000. 39000. 40000. 42000. 44000. 46000. 48000. 50000. 53000. 56000. 59000. 63000. 67000. 71000. 75000. 80000. 85000. 90000. 95000. 100000. 106000. 112000. 118000. 125000. 132000. 140000. 150000. 160000. 170000. 180000. 190000. 200000. 210000. 220000. 230000. 240000. 250000. 260000. 270000. 280000. 290000. 300000. 315000. 330000. 350000. 370000. 390000. 400000. 420000. 440000. 460000. 480000. 500000. 530000. 560000. 590000. 630000. 670000. 710000. 750000. 800000. 850000. 900000. 950000. 1000000. 1060000. 1120000. 1180000. 1250000. 1320000. 1400000. 1500000. 1600000. 1700000. 1800000. 1900000. 2000000. 2100000. 2200000. 2300000. 2400000. 2500000. 2600000. 2700000. 2800000. 2900000. 3000000. 3150000. 3300000. 3500000. 3700000. 3900000. 4000000. 4200000. 4400000. 4600000. 4800000. 5000000. 5300000. 5600000. 5900000. 6300000. 6700000. 7100000. 7500000. 8000000. 8500000. 9000000. 9500000. 10000000. 10600000. 11200000. 11800000. 12500000. 13200000. 14000000. 15000000. 16000000. 17000000. 18000000. 19000000. 20000000. 21000000. 22000000. 23000000. 24000000. 25000000. 26000000. 27000000. 28000000. 29000000. 30000000. 31500000. 33000000. 35000000. 37000000. 39000000. 40000000. 42000000. 44000000. 46000000. 48000000. 50000000. 53000000. 56000000. 59000000. 63000000. 67000000. 71000000. 75000000. 80000000. 85000000. 90000000. 95000000. 100000000. 106000000. 112000000. 118000000. 125000000. 132000000. 140000000. 150000000. 160000000. 170000000. 180000000. 190000000. 200000000. 210000000. 220000000. 230000000. 240000000. 250000000. 260000000. 270000000. 280000000. 290000000. 300000000. 315000000. 330000000. 350000000. 370000000. 390000000. 400000000. 420000000. 440000000. 460000000. 480000000. 500000000. 530000000. 560000000. 590000000. 630000000. 670000000. 710000000. 750000000. 800000000. 850000000. 900000000. 950000000. 1000000000. 1060000000. 1120000000. 1180000000. 1250000000. 1320000000. 1400000000. 1500000000. 1600000000. 1700000000. 1800000000. 1900000000. 2000000000. 2100000000. 2200000000. 2300000000. 2400000000. 2500000000. 2600000000. 2700000000. 2800000000. 2900000000. 3000000000. 3150000000. 3300000000. 3500000000. 3700000000. 3900000000. 4000000000. 4200000000. 4400000000. 4600000000. 4800000000. 5000000000. 5300000000. 5600000000. 5900000000. 6300000000. 6700000000. 7100000000. 7500000000. 8000000000. 8500000000. 9000000000. 9500000000. 10000000000. 10600000000. 11200000000. 11800000000. 12500000000. 13200000000. 14000000000. 15000000000. 16000000000. 17000000000. 18000000000. 19000000000. 20000000000. 21000000000. 22000000000. 23000000000. 24000000000. 25000000000. 26000000000. 27000000000. 28000000000. 29000000000. 30000000000. 31500000000. 33000000000. 35000000000. 37000000000. 39000000000. 40000000000. 42000000000. 44000000000. 46000000000. 48000000000. 50000000000. 53000000000. 56000000000. 59000000000. 63000000000. 67000000000. 71000000000. 75000000000. 80000000000. 85000000000. 90000000000. 95000000000. 100000000000. 106000000000. 112000000000. 118000000000. 125000000000. 132000000000. 140000000000. 150000000000. 160000000000. 170000000000. 180000000000. 190000000000. 200000000000. 210000000000. 220000000000. 230000000000. 240000000000. 250000000000. 260000000000. 270000000000. 280000000000. 290000000000. 300000000000. 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850000000000000000. 900000000000000000. 950000000000000000. 1000000000000000000. 1060000000000000000. 1120000000000000000. 1180000000000000000. 1250000000000000000. 1320000000000000000. 1400000000000000000. 1500000000000000000. 1600000000000000000. 1700000000000000000. 1800000000000000000. 1900000000000000000. 2000000000000000000. 2100000000000000000. 2200000000000000000. 2300000000000000000. 2400000000000000000. 2500000000000000000. 2600000000000000000. 2700000000000000000. 2800000000000000000. 2900000000000000000. 3000000000000000000. 3150000000000000000. 3300000000000000000. 3500000000000000000. 3700000000000000000. 3900000000000000000. 4000000000000000000. 4200000000000000000. 4400000000000000000. 4600000000000000000. 4800000000000000000. 5000000000000000000. 5300000000000000000. 5600000000000000000. 5900000000000000000. 6300000000000000000. 6700000000000000000. 7100000000000000000. 7500000000000000000. 8000000000000000000. 8500000000000000000. 9000000000000000000. 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850000000000000000000. 900000000000000000000. 950000000000000000000. 1000000000000000000000. 1060000000000000000000. 1120000000000000000000. 1180000000000000000000. 1250000000000000000000. 1320000000000000000000. 1400000000000000000000. 150 |
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| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|---|-------|---|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|
| | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| NO EGA | 50 | 53.2 | 57.6 | 60.7 | 61.7 | 63.5 | 64.5 | 67.0 | 68.7 | 69.7 | 73.4 | 77.8 | 78.0 | 75.6 | | | |
| SIDELINE 2400. FT. | 63 | 54.8 | 60.4 | 60.7 | 63.0 | 67.0 | 67.3 | 68.3 | 70.0 | 72.0 | 75.9 | 79.6 | 80.7 | 77.8 | | | |
| (731.52 M) | 80 | 57.0 | 60.1 | 62.9 | 64.2 | 66.2 | 67.5 | 68.5 | 71.0 | 73.9 | 77.9 | 81.8 | 81.7 | 77.4 | | | |
| NFA (1. RPM | 100 | 57.2 | 60.3 | 63.0 | 64.2 | 66.7 | 68.5 | 69.7 | 71.7 | 75.0 | 79.4 | 81.8 | 81.6 | 77.3 | | | |
| (0. RAD/SEC) | 125 | 58.9 | 61.6 | 63.5 | 65.7 | 68.5 | 69.3 | 71.0 | 72.7 | 76.5 | 79.7 | 81.5 | 81.0 | 76.9 | | | |
| NFK (1. RPM | 160 | 59.8 | 63.4 | 64.9 | 67.1 | 69.7 | 70.4 | 71.9 | 74.4 | 77.9 | 81.0 | 81.1 | 79.6 | 76.0 | | | |
| (0. RAD/SEC) | 200 | 61.4 | 64.4 | 66.3 | 68.1 | 70.1 | 71.4 | 72.9 | 75.1 | 78.3 | 80.9 | 79.7 | 77.4 | 74.0 | | | |
| NFD (0. RAD/SEC) | 250 | 60.7 | 64.5 | 67.4 | 69.0 | 70.5 | 71.8 | 73.8 | 75.8 | 79.7 | 81.3 | 79.8 | 77.4 | 72.8 | | | |
| 7500. RPM | 315 | 61.2 | 65.3 | 66.8 | 68.9 | 71.4 | 72.5 | 73.7 | 75.6 | 79.6 | 81.2 | 79.6 | 76.8 | 72.5 | | | |
| (785. RAD/SEC) | 400 | 61.3 | 64.2 | 67.3 | 68.7 | 71.2 | 72.5 | 74.5 | 76.7 | 80.0 | 80.8 | 79.4 | 76.3 | 72.2 | | | |
| AIRFLOW RATIO | 500 | 61.2 | 64.9 | 67.3 | 68.7 | 71.3 | 72.3 | 74.3 | 77.2 | 80.5 | 79.8 | 78.8 | 76.0 | 71.9 | | | |
| WF/HM 4.78 | 630 | 61.2 | 64.6 | 67.0 | 68.2 | 72.1 | 72.4 | 74.6 | 77.0 | 80.0 | 80.0 | 78.6 | 75.9 | 71.1 | | | |
| VEHICLE CELL41 | 800 | 59.9 | 63.7 | 67.0 | 68.4 | 71.1 | 71.4 | 74.1 | 77.2 | 78.7 | 79.3 | 76.8 | 74.8 | 68.9 | | | |
| CONFIG NC56 | 1000 | 59.5 | 64.9 | 67.3 | 69.1 | 70.0 | 71.8 | 73.8 | 76.9 | 77.8 | 77.3 | 76.1 | 73.8 | 66.5 | | | |
| LOC C41 ANECH CH | 1250 | 58.8 | 66.5 | 69.0 | 68.9 | 71.1 | 72.4 | 74.6 | 76.1 | 77.5 | 76.4 | 74.4 | 71.9 | 63.5 | | | |
| DATE 06-14-76 | 1600 | 57.2 | 65.5 | 67.8 | 69.8 | 71.3 | 71.4 | 73.8 | 74.8 | 75.3 | 75.0 | 72.2 | 68.6 | 58.8 | | | |
| RUN CONF4VELDEPN | 2000 | 55.3 | 65.3 | 68.5 | 70.4 | 71.9 | 70.1 | 71.7 | 73.1 | 74.0 | 72.5 | 69.3 | 65.8 | 53.0 | | | |
| TAPE X41150 | 2500 | 51.4 | 61.1 | 65.2 | 69.0 | 69.9 | 69.3 | 70.2 | 69.9 | 69.9 | 68.4 | 64.6 | 58.5 | 45.6 | | | |
| FAN TIP SPEED | 3150 | 43.6 | 54.2 | 59.1 | 64.0 | 66.8 | 66.3 | 67.6 | 65.3 | 66.4 | 62.6 | 57.9 | 51.4 | 34.7 | | | |
| FT/SEC | 4000 | 33.9 | 44.8 | 51.0 | 55.6 | 60.9 | 59.7 | 61.9 | 58.1 | 58.1 | 53.2 | 47.4 | 38.2 | 17.4 | | | |
| | 5000 | 27.7 | 39.4 | 45.4 | 51.4 | 54.6 | 55.0 | 56.1 | 54.0 | 53.6 | 47.4 | 42.5 | 29.1 | 5.8 | | | |
| | 6300 | 14.0 | 27.3 | 35.6 | 41.6 | 46.0 | 46.4 | 47.4 | 43.9 | 41.9 | 35.2 | 26.2 | 12.5 | | | | |
| | 8000 | | 7.0 | 19.1 | 26.0 | 29.2 | 31.8 | 32.0 | 27.2 | 24.7 | 16.8 | 4.4 | | | | | |
| | 10000 | | | 3.4 | 5.8 | | 11.8 | 8.4 | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 71.7 | 76.4 | 78.9 | 80.7 | 82.8 | 83.5 | 85.3 | 87.4 | 90.1 | 91.4 | 90.2 | 86.2 | | | | | |
| PNDB | 77.7 | 83.2 | 88.4 | 90.9 | 92.7 | 92.7 | 94.2 | 95.4 | 97.2 | 97.0 | 93.0 | 87.5 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 4 | 4115 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in ²) |

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | PWL | | | | | | | | | | | | | | | | | | |
|--------------------|--|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 40.
(0.70) | 50.
(0.87) | 60.
(1.05) | 70.
(1.22) | 80.
(1.40) | 90.
(1.57) | 100.
(1.75) | 110.
(1.92) | 120.
(2.09) | 130.
(2.27) | 140.
(2.44) | 150.
(2.62) | 160.
(2.79) | 170.
(3.0) | 180.
(3.14) | | | | | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RDG. NO. | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | 10000 | 12500 | 16000 | 20000 | 25000 | 31500 | 40000 | 50000 | 63000 | 80000 | | |
| RADIAL (12. M) | 79.4 | 88.7 | 85.7 | 87.2 | 87.5 | 90.0 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 |
| VEHICLE CELL41 | 77.6 | 81.9 | 83.1 | 85.2 | 87.5 | 88.6 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 | 88.9 | 89.3 | 89.7 | 90.2 |
| LOC C41 ANECH CH | 78.6 | 80.4 | 82.3 | 84.2 | 85.7 | 88.2 | 88.6 | 89.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 |
| DATE 06-14-76 | 81.0 | 81.3 | 82.3 | 84.1 | 85.7 | 88.2 | 88.6 | 89.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 | 89.8 | 90.2 | 89.6 | 90.0 | 90.4 |
| CONFLVLEDEFN | 80.9 | 85.4 | 84.2 | 86.7 | 89.3 | 88.8 | 89.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 |
| TAPE X41160 | 83.2 | 85.0 | 86.8 | 87.5 | 88.2 | 89.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 | 89.6 | 90.0 | 89.4 | 89.8 | 90.2 |
| GAZ 29.4. HG | 85.1 | 86.6 | 87.6 | 88.9 | 90.8 | 92.1 | 93.8 | 95.9 | 99.9 | 104.5 | 108.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | 109.9 | |
| (99178. N/M2) | 85.9 | 87.7 | 88.9 | 90.7 | 92.5 | 94.0 | 95.4 | 96.8 | 98.2 | 99.6 | 101.0 | 102.4 | 103.8 | 105.2 | 106.6 | 108.0 | 109.4 | 110.8 | 112.2 | 113.6 | 115.0 | 116.4 | 117.8 | 119.2 | 120.6 | 122.0 | 123.4 | 124.8 | 126.2 | 127.6 | 129.0 | 130.4 | 131.8 | |
| TAMB 77. DEG F | 88.2 | 89.5 | 90.7 | 91.3 | 91.6 | 93.7 | 94.8 | 96.0 | 99.4 | 102.8 | 105.9 | 106.6 | 107.8 | 107.3 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 | 107.2 | 107.1 |
| TWET 71. DEG F | 88.1 | 90.2 | 90.4 | 92.7 | 94.1 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| (298. DEG K) | 88.9 | 90.2 | 91.7 | 92.3 | 94.4 | 95.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | |
| WACT 16.79 GM/M3 | 89.3 | 90.6 | 92.4 | 92.4 | 94.5 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| (.01679 KG/M3) | 89.8 | 91.1 | 92.8 | 93.6 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| FREQ. SHIFT | 89.3 | 90.6 | 92.6 | 93.4 | 95.2 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | |
| JET | 89.4 | 91.5 | 93.5 | 94.3 | 95.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | |
| DIAMETER RATIO | 89.0 | 92.8 | 94.6 | 94.8 | 96.4 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | |
| OF/DM 1 | 89.0 | 92.6 | 93.9 | 96.1 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | |
| OVERALL MEASURED | 88.4 | 94.0 | 96.1 | 97.1 | 98.6 | 97.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | |
| OVERALL CALCULATED | 85.3 | 91.3 | 92.9 | 95.6 | 98.4 | 96.7 | 95.5 | 98.2 | 95.8 | 96.6 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | |
| PND8 | 82.9 | 87.7 | 90.8 | 92.9 | 96.7 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| PNDB | 79.9 | 85.6 | 87.5 | 90.1 | 93.3 | 91.2 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | |
| | 31500 | 77.1 | 82.8 | 86.2 | 88.7 | 92.0 | 86.3 | 88.0 | 86.9 | 89.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | |
| | 40000 | 71.8 | 77.5 | 82.1 | 84.4 | 86.0 | 86.3 | 88.0 | 86.9 | 89.1 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | |
| | 50000 | 63.5 | 69.0 | 74.4 | 76.7 | 77.1 | 78.5 | 79.5 | 78.9 | 82.1 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | |
| | 63000 | 56.0 | 61.6 | 66.8 | 68.6 | 68.6 | 70.1 | 70.9 | 71.6 | 75.1 | 74.8 | 77.2 | 76.0 | 71.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | |
| | 80000 | 49.8 | 53.5 | 60.2 | 60.5 | 60.9 | 62.3 | 66.5 | 64.4 | 68.2 | 69.5 | 71.7 | 70.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | |
| OVERALL MEASURED | 100.6 | 103.6 | 105.3 | 106.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | |
| OVERALL CALCULATED | 113.3 | 115.2 | 116.8 | 117.7 | 119.6 | 120.3 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | |
| PNDB | 100.6 | 103.6 | 105.3 | 106.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | |
| | 113.3 | 115.2 | 116.8 | 117.7 | 119.6 | 120.3 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | |
| | 100.6 | 103.6 | 105.3 | 106.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | |
| | 113.3 | 115.2 | 116.8 | 117.7 | 119.6 | 120.3 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | |
| | 100.6 | 103.6 | 105.3 | 106.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | |
| | 113.3 | 115.2 | 116.8 | 117.7 | 119.6 | 120.3 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | |
| | 100.6 | 103.6 | 105.3 | 106.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | |
| | 113.3 | 115.2 | 116.8 | 117.7 | 119.6 | 120.3 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | 122.0 | |
| | 100.6 | 103.6 | 105.3 | 106.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 4 | 4116 | 12.2m (40ft.) ARC | MODEL-145cm ² (22.4in ²) |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|
| | | FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 54.2 | 58.1 | 61.2 | 61.9 | 63.7 | 65.0 | 67.7 | 69.2 | 70.2 | 73.7 | 78.3 | 78.7 | 76.3 | | | | |
| SIDELINE 2400. FT. | | 63 | 54.8 | 60.9 | 60.7 | 64.0 | 67.0 | 68.3 | 68.5 | 70.2 | 72.5 | 75.7 | 79.8 | 81.0 | 78.0 | | | | |
| (731.52 M) | | 80 | 57.0 | 60.3 | 63.4 | 64.7 | 66.5 | 68.0 | 68.7 | 71.2 | 73.4 | 78.4 | 82.3 | 81.9 | 78.1 | | | | |
| MFA | | 100 | 57.7 | 60.3 | 63.2 | 64.5 | 66.7 | 69.0 | 69.7 | 71.7 | 74.7 | 79.7 | 82.5 | 82.3 | 77.8 | | | | |
| (0. RAD/SEC) | | 125 | 58.7 | 61.8 | 64.0 | 66.0 | 68.3 | 69.8 | 71.3 | 73.0 | 76.2 | 79.7 | 82.5 | 82.0 | 77.4 | | | | |
| NFK | | 160 | 59.3 | 62.7 | 65.1 | 67.6 | 69.9 | 70.9 | 72.2 | 74.1 | 77.9 | 80.3 | 81.8 | 81.1 | 76.5 | | | | |
| (1. RPM) | | 200 | 61.4 | 64.4 | 66.8 | 68.1 | 70.1 | 71.4 | 72.6 | 75.3 | 77.3 | 80.4 | 80.2 | 78.6 | 75.0 | | | | |
| (0. RAD/SEC) | | 250 | 60.7 | 64.0 | 67.2 | 68.3 | 70.8 | 72.1 | 73.0 | 76.0 | 78.7 | 80.6 | 79.5 | 78.1 | 73.6 | | | | |
| NFD | | 315 | 60.7 | 64.6 | 66.1 | 69.1 | 70.9 | 72.7 | 72.9 | 74.9 | 78.8 | 80.4 | 78.8 | 77.1 | 72.8 | | | | |
| (785. RAD/SEC) | | 400 | 61.1 | 64.2 | 67.0 | 68.4 | 71.0 | 72.5 | 74.0 | 76.4 | 78.3 | 79.8 | 77.7 | 76.5 | 71.5 | | | | |
| AIRFLOW RATIO | | 500 | 60.9 | 64.2 | 67.3 | 68.2 | 70.8 | 72.3 | 73.5 | 76.4 | 79.5 | 78.8 | 77.5 | 76.2 | 69.6 | | | | |
| WF/WM 4.78 | | 630 | 60.7 | 64.1 | 67.3 | 69.0 | 71.6 | 72.1 | 74.1 | 76.5 | 78.8 | 79.2 | 76.6 | 75.4 | 68.6 | | | | |
| VEHICLE | CELL41 | 800 | 59.4 | 62.9 | 66.5 | 68.2 | 70.6 | 71.6 | 73.3 | 76.4 | 78.0 | 77.8 | 74.8 | 74.5 | 65.9 | | | | |
| CONFIG | NC56 | 1000 | 58.5 | 62.9 | 66.6 | 68.4 | 70.3 | 71.6 | 73.3 | 75.6 | 76.8 | 76.3 | 73.9 | 73.5 | 64.0 | | | | |
| LOC | C41 ANECH CH | 1250 | 56.8 | 63.2 | 66.8 | 68.1 | 70.3 | 71.9 | 73.6 | 74.6 | 76.5 | 74.6 | 72.9 | 71.4 | 61.3 | | | | |
| DATE | 06-14-76 | 1600 | 55.0 | 61.5 | 64.8 | 68.3 | 70.3 | 70.6 | 72.8 | 74.0 | 74.5 | 73.5 | 70.7 | 67.8 | 55.8 | | | | |
| RUN | CONF4VELDEPN | 2000 | 52.3 | 61.3 | 65.5 | 67.9 | 70.2 | 69.3 | 71.2 | 72.6 | 73.3 | 70.5 | 68.1 | 65.0 | 51.2 | | | | |
| TAPE | X41160 | 2500 | 47.7 | 58.1 | 62.7 | 66.2 | 68.7 | 67.8 | 69.4 | 68.9 | 69.4 | 67.4 | 63.4 | 58.0 | 43.4 | | | | |
| FAN TIP SPEED | | 3150 | 41.4 | 52.2 | 56.9 | 61.5 | 65.3 | 65.0 | 66.6 | 64.5 | 65.4 | 61.6 | 56.6 | 49.9 | 32.4 | | | | |
| FT/SEC | | 4000 | 31.6 | 42.6 | 49.5 | 54.1 | 59.1 | 58.4 | 60.6 | 56.9 | 57.3 | 52.4 | 46.7 | 38.0 | 14.4 | | | | |
| | | 5000 | 25.2 | 37.9 | 44.1 | 49.3 | 54.0 | 54.2 | 54.5 | 53.5 | 53.1 | 46.6 | 40.3 | 28.1 | 4.8 | | | | |
| | | 6300 | 10.2 | 25.2 | 34.3 | 40.3 | 45.5 | 45.3 | 46.4 | 43.6 | 41.1 | 33.4 | 25.4 | 11.9 | | | | | |
| | | 8000 | | 4.7 | 17.1 | 24.2 | 28.4 | 29.5 | 30.4 | 26.7 | 24.1 | 15.1 | 2.1 | | | | | | |
| | | 10000 | | | | | 3.8 | 6.3 | 6.2 | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 71.2 | 75.2 | 78.1 | 80.0 | 82.4 | 83.4 | 84.8 | 86.9 | 89.3 | 90.7 | 91.4 | 90.8 | 86.5 | | | | | |
| PND8 | | 76.3 | 82.7 | 86.6 | 89.2 | 91.8 | 92.0 | 93.5 | 94.8 | 96.3 | 96.0 | 94.6 | 93.2 | 86.9 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 4 TEST POINT 4116 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m(.513in²)

| | 4C. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PBL |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| FREQ. | (C.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

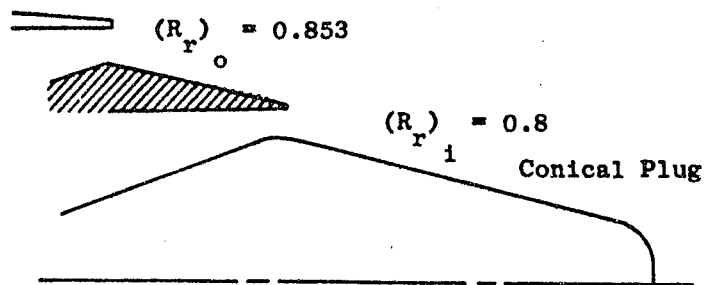
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 4 | 4118 | 12.2m(40ft.) ARC | MODEL-145cm ² (22.4in ²) |

$$\begin{array}{r} 110 \\ 1781 \end{array}$$

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | |
|--|--|-----|-----|-----|-----|-----|------|------|------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| PROC. DATE - MONTH 9 DAY 7 HR. 17.6 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| FREQ. | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.33)(3.51)(3.69)(3.87)(4.05)(4.23)(4.41)(4.59)(4.77)(4.95)(5.13)(5.31)(5.49)(5.67)(5.85)(6.03)(6.21)(6.39)(6.57)(6.75)(6.93)(7.11)(7.29)(7.47)(7.65)(7.83)(8.01)(8.19)(8.37)(8.55)(8.73)(8.91)(9.09)(9.27)(9.45)(9.63)(9.81)(9.99)(10.17)(10.35)(10.53)(10.71)(10.89)(11.07)(11.25)(11.43)(11.61)(11.79)(11.97)(12.15)(12.33)(12.51)(12.69)(12.87)(13.05)(13.23)(13.41)(13.59)(13.77)(13.95)(14.13)(14.31)(14.49)(14.67)(14.85)(15.03)(15.21)(15.39)(15.57)(15.75)(15.93)(16.11)(16.29)(16.47)(16.65)(16.83)(17.01)(17.19)(17.37)(17.55)(17.73)(17.91)(18.09)(18.27)(18.45)(18.63)(18.81)(18.99)(19.17)(19.35)(19.53)(19.71)(19.89)(20.07)(20.25)(20.43)(20.61)(20.79)(20.97)(21.15)(21.33)(21.51)(21.69)(21.87)(22.05)(22.23)(22.41)(22.59)(22.77)(22.95)(23.13)(23.31)(23.49)(23.67)(23.85)(24.03)(24.21)(24.39)(24.57)(24.75)(24.93)(25.11)(25.29)(25.47)(25.65)(25.83)(26.01)(26.19)(26.37)(26.55)(26.73)(26.91)(27.09)(27.27)(27.45)(27.63)(27.81)(27.99)(28.17)(28.35)(28.53)(28.71)(28.89)(29.07)(29.25)(29.43)(29.61)(29.79)(29.97)(30.15)(30.33)(30.51)(30.69)(30.87)(31.05)(31.23)(31.41)(31.59)(31.77)(31.95)(32.13)(32.31)(32.49)(32.67)(32.85)(33.03)(33.21)(33.39)(33.57)(33.75)(33.93)(34.11)(34.29)(34.47)(34.65)(34.83)(35.01)(35.19)(35.37)(35.55)(35.73)(35.91)(36.09)(36.27)(36.45)(36.63)(36.81)(36.99)(37.17)(37.35)(37.53)(37.71)(37.89)(38.07)(38.25)(38.43)(38.61)(38.79)(38.97)(39.15)(39.33)(39.51)(39.69)(39.87)(40.05)(40.23)(40.41)(40.59)(40.77)(40.95)(41.13)(41.31)(41.49)(41.67)(41.85)(42.03)(42.21)(42.39)(42.57)(42.75)(42.93)(43.11)(43.29)(43.47)(43.65)(43.83)(44.01)(44.19)(44.37)(44.55)(44.73)(44.91)(45.09)(45.27)(45.45)(45.63)(45.81)(45.99)(46.17)(46.35)(46.53)(46.71)(46.89)(47.07)(47.25)(47.43)(47.61)(47.79)(47.97)(48.15)(48.33)(48.51)(48.69)(48.87)(49.05)(49.23)(49.41)(49.59)(49.77)(49.95)(50.13)(50.31)(50.49)(50.67)(50.85)(51.03)(51.21)(51.39)(51.57)(51.75)(51.93)(52.11)(52.29)(52.47)(52.65)(52.83)(53.01)(53.19)(53.37)(53.55)(53.73)(53.91)(54.09)(54.27)(54.45)(54.63)(54.81)(54.99)(55.17)(55.35)(55.53)(55.71)(55.89)(56.07)(56.25)(56.43)(56.61)(56.79)(56.97)(57.15)(57.33)(57.51)(57.69)(57.87)(58.05)(58.23)(58.41)(58.59)(58.77)(58.95)(59.13)(59.31)(59.49)(59.67)(59.85)(60.03)(60.21)(60.39)(60.57)(60.75)(60.93)(61.11)(61.29)(61.47)(61.65)(61.83)(62.01)(62.19)(62.37)(62.55)(62.73)(62.91)(63.09)(63.27)(63.45)(63.63)(63.81)(63.99)(64.17)(64.35)(64.53)(64.71)(64.89)(65.07)(65.25)(65.43)(65.61)(65.79)(65.97)(66.15)(66.33)(66.51)(66.69)(66.87)(67.05)(67.23)(67.41)(67.59)(67.77)(67.95)(68.13)(68.31)(68.49)(68.67)(68.85)(69.03)(69.21)(69.39)(69.57)(69.75)(69.93)(70.11)(70.29)(70.47)(70.65)(70.83)(71.01)(71.19)(71.37)(71.55)(71.73)(71.91)(72.09)(72.27)(72.45)(72.63)(72.81)(72.99)(73.17)(73.35)(73.53)(73.71)(73.89)(74.07)(74.25)(74.43)(74.61)(74.79)(74.97)(75.15)(75.33)(75.51)(75.69)(75.87)(76.05)(76.23)(76.41)(76.59)(76.77)(76.95)(77.13)(77.31)(77.49)(77.67)(77.85)(78.03)(78.21)(78.39)(78.57)(78.75)(78.93)(79.11)(79.29)(79.47)(79.65)(79.83)(79.99)(80.17)(80.35)(80.53)(80.71)(80.89)(81.07)(81.25)(81.43)(81.61)(81.79)(81.97)(82.15)(82.33)(82.51)(82.69)(82.87)(83.05)(83.23)(83.41)(83.59)(83.77)(83.95)(84.13)(84.31)(84.49)(84.67)(84.85)(85.03)(85.21)(85.39)(85.57)(85.75)(85.93)(86.11)(86.29)(86.47)(86.65)(86.83)(87.01)(87.19)(87.37)(87.55)(87.73)(87.91)(88.09)(88.27)(88.45)(88.63)(88.81)(88.99)(89.17)(89.35)(89.53)(89.71)(89.89)(90.07)(90.25)(90.43)(90.61)(90.79)(90.97)(91.15)(91.33)(91.51)(91.69)(91.87)(92.05)(92.23)(92.41)(92.59)(92.77)(92.95)(93.13)(93.31)(93.49)(93.67)(93.85)(94.03)(94.21)(94.39)(94.57)(94.75)(94.93)(95.11)(95.29)(95.47)(95.65)(95.83)(96.01)(96.19)(96.37)(96.55)(96.73)(96.91)(97.09)(97.27)(97.45)(97.63)(97.81)(97.99)(98.17)(98.35)(98.53)(98.71)(98.89)(99.07)(99.25)(99.43)(99.61)(99.79)(99.97)(100.15)(100.33)(100.51)(100.69)(100.87)(101.05)(101.23)(101.41)(101.59)(101.77)(101.95)(102.13)(102.31)(102.49)(102.67)(102.85)(103.03)(103.21)(103.39)(103.57)(103.75)(103.93)(104.11)(104.29)(104.47)(104.65)(104.83)(105.01)(105.19)(105.37)(105.55)(105.73)(105.91)(106.09)(106.27)(106.45)(106.63)(106.81)(106.99)(107.17)(107.35)(107.53)(107.71)(107.89)(108.07)(108.25)(108.43)(108.61)(108.79)(108.97)(109.15)(109.33)(109.51)(109.69)(109.87)(110.05)(110.23)(110.41)(110.59)(110.77)(110.95)(111.13)(111.31)(111.49)(111.67)(111.85)(112.03)(112.21)(112.39)(112.57)(112.75)(112.93)(113.11)(113.29)(113.47)(113.65)(113.83)(114.01)(114.19)(114.37)(114.55)(114.73)(114.91)(115.09)(115.27)(115.45)(115.63)(115.81)(115.99)(116.17)(116.35)(116.53)(116.71)(116.89)(117.07)(117.25)(117.43)(117.61)(117.79)(117.97)(118.15)(118.33)(118.51)(118.69)(118.87)(119.05)(119.23)(119.41)(119.59)(119.77)(119.95)(120.13)(120.31)(120.49)(120.67)(120.85)(121.03)(121.21)(121.39)(121.57)(121.75)(121.93)(122.11)(122.29)(122.47)(122.65)(122.83)(123.01)(123.19)(123.37)(123.55)(123.73)(123.91)(124.09)(124.27)(124.45)(124.63)(124.81)(124.99)(125.17)(125.35)(125.53)(125.71)(125.89)(126.07)(126.25)(126.43)(126.61)(126.79)(126.97)(127.15)(127.33)(127.51)(127.69)(127.87)(128.05)(128.23)(128.41)(128.59)(128.77)(128.95)(129.13)(129.31)(129.49)(129.67)(129.85)(130.03)(130.21)(130.39)(130.57)(130.75)(130.93)(131.11)(131.29)(131.47)(131.65)(131.83)(132.01)(132.19)(132.37)(132.55)(132.73)(132.91)(133.09)(133.27)(133.45)(133.63)(133.81)(133.99)(134.17)(134.35)(134.53)(134.71)(134.89)(135.07)(135.25)(135.43)(135.61)(135.79)(135.97)(136.15)(136.33)(136.51)(136.69)(136.87)(137.05)(137.23)(137.41)(137.59)(137.77)(137.95)(138.13)(138.31)(138.49)(138.67)(138.85)(139.03)(139.21)(139.39)(139.57)(139.75)(139.93)(140.11)(140.29)(140.47)(140.65)(140.83)(141.01)(141.19)(141.37)(141.55)(141.73)(141.91)(142.09)(142.27)(142.45)(142.63)(142.81)(142.99)(143.17)(143.35)(143.53)(143.71)(143.89)(144.07)(144.25)(144.43)(144.61)(144.79)(144.97)(145.15)(145.33)(145.51)(145.69)(145.87)(146.05)(146.23)(146.41)(146.59)(146.77)(146.95)(147.13)(147.31)(147.49)(147.67)(147.85)(148.03)(148.21)(148.39)(148.57)(148.75)(148.93)(149.11)(149.29)(149.47)(149.65)(149.83)(150.01)(150.19)(150.37)(150.55)(150.73)(150.91)(151.09)(151.27)(151.45)(151.63)(151.81)(151.99)(152.17)(152.35)(152.53)(152.71)(152.89)(153.07)(153.25)(153.43)(153.61)(153.79)(153.97)(154.15)(154.33)(154.51)(154.69)(154.87)(155.05)(155.23)(155.41)(155.59)(155.77)(155.95)(156.13)(156.31)(156.49)(156.67)(156.85)(157.03)(157.21)(157.39)(157.57)(157.75)(157.93)(158.11)(158.29)(158.47)(158.65)(158.83)(159.01)(159.19)(159.37)(159.55)(159.73)(159.91)(160.09)(160.27)(160.45)(160.63)(160.81)(160.99)(161.17)(161.35)(161.53)(161.71)(161.89)(162.07)(162.25)(162.43)(162.61)(162.79)(162.97)(163.15)(163.33)(163.51)(163.69)(163.87)(164.05)(164.23)(164.41)(164.59)(164.77)(164.95)(165.13)(165.31)(165.49)(165.67)(165.85)(166.03)(166.21)(166.39)(166.57)(166.75)(166.93)(167.11)(167.29)(167.47)(167.65)(167.83)(168.01)(168.19)(168.37)(168.55)(168.73)(168.91)(169.09)(169.27)(169.45)(169.63)(169.81)(169.99)(170.17)(170.35)(170.53)(170.71)(170.89)(171.07)(171.25)(171.43)(171.61)(171.79)(171.97)(172.15)(172.33)(172.51)(172.69)(172.87)(173.05)(173.23)(173.41)(173.59)(173.77)(173.95)(174.13)(174.31)(174.49)(174.67)(174.85)(175.03)(175.21)(175.39)(175.57)(175.75)(175.93)(176.11)(176.29)(176.47)(176.65)(176.83)(177.01)(177.19)(177.37)(177.55)(177.73)(177.91)(178.09)(178.27)(178.45)(178.63)(178.81)(178.99)(179.17)(179.35)(179.53)(179.71)(179.89)(180.07)(180.25)(180.43)(180.61)(180.79)(180.97)(181.15)(181.33)(181.51)(181.69)(181.87)(182.05)(182.23)(182.41)(182.59)(182.77)(182.95)(183.13)(183.31)(183.49)(183.67)(183.85)(184.03)(184.21)(184.39)(184.57)(184.75)(184.93)(185.11)(185.29)(185.47)(185.65)(185.83)(186.01)(186.19)(186.37)(186.55)(186.73)(186.91)(187.09)(187.27)(187.45)(187.63)(187.81)(187.99)(188.17)(188.35)(188.53)(188.71)(188.89)(189.07)(189.25)(189.43)(189.61)(189.79)(189.97)(190.15)(190.33)(190.51)(190.69)(190.87)(191.05)(191.23)(191.41)(191.59)(191.77)(191.95)(192.13)(192.31)(192.49)(192.67)(192.85)(193.03)(193.21)(193.39)(193.57)(193.75)(193.93)(194.11)(194.29)(194.47)(194.65)(194.83)(195.01)(195.19)(195.37)(195.55)(195.73)(195.91)(196.09)(196.27)(196.45)(196.63)(196.81)(196.99)(197.17)(197.35)(197.53)(197.71)(197.89)(198.07)(198.25)(198.43)(198.61)(198.79)(198.97)(199.15)(199.33)(199.51)(199.69)(199.87)(200.05)(200.23)(200.41)(200.59)(200.77)(200.95)(201.13)(201.31)(201.49)(201.67)(201.85)(202.03)(202.21)(202.39)(202.57)(202.75)(202.93)(203.11)(203.29)(203.47)(203.65)(203.83)(204.01)(204.19)(204.37)(204.55)(204.73)(204.91)(205.09)(205.27)(205.45)(205.63)(205.81)(205.99)(206.17)(206.35)(206.53)(206.71)(206.89)(207.07)(207.25)(207.43)(207.61)(207.79)(207.97)(208.15)(208.33)(208.51)(208.69)(208.87)(209.05)(209.23)(209.41)(209.59)(209.77)(209.95)(210.13)(210.31)(210.49)(210.67)(210.85)(211.03)(211.21)(211.39)(211.57)(211.75)(211.93)(212.11)(212.29)(212.47)(212.65)(212.83)(213.01)(213.19)(213.37)(213.55)(213.73)(213.91)(214.09)(214.27)(214.45)(214.63)(214.81)(214.99)(215.17)(215.35)(215.53)(215.71)(215.89)(216.07)(216.25)(216.43)(216.61)(216.79)(216.97)(217.15)(217.33)(217.51)(217.69)(217.87)(218.05)(218.23)(218.41)(218.59)(218.77)(218.95)(219.13)(219.31)(219.49)(219.67)(219.85)(219.99)(220.17)(220.35)(220.53)(220.71)(220.89)(221.07)(221.25)(221.43)(221.61)(221.79)(221.97)(222.15)(222.33)(222.51)(222.69)(222.87)(223.05)(223.23)(223.41)(223.59)(223.77)(223.95)(224.13)(224.31)(224.49)(224.67)(224.85)(225.03)(225.21)(225.39)(225.57)(225.75)(225.93)(226.11)(226.29)(226.47)(226.65)(226.83)(227.01)(227.19)(227.37)(227.55)(227.73)(227.91)(228.09)(228.27)(228.45)(228.63)(228.81)(228.99)(229.17)(229.35)(229.53)(229.71)(229.89)(230.07)(230.25)(230.43)(230.61)(230.79)(230.97)(231.15)(231.33)(231.51)(231.69)(231.87)(232.05)(232.23)(232.41)(232.59)(232.77)(232.95)(233.13)(233.31)(233.49)(233.67)(233.85)(234.03)(234.21)(234.39)(234.57)(234.75)(234.93)(235.11)(235.29)(235.47)(235.65)(235.83)(236.01)(236.19)(236.37)(236.55)(236.73)(236.91)(237.09)(237.27)(237.45)(237.63)(237.81)(237.99)(238.17)(238.35)(238.53)(238.71)(238.89)(239.07)(239.25)(239.43)(239.61)(239.79)(239.97)(240.15)(240.33)(240.51)(240.69)(240.87)(241.05)(241.23)(241.41)(241.59)(241.77)(241.95)(242.13)(242.31)(242.49)(242.67)(242.85)(243.03)(243.21)(243.39)(243.57)(243.75)(243.93)(244.11)(244.29)(244.47)(244.65)(244.83)(245.01)(245.19)(245.37)(245.55)(245.73)(245.91)(246.09)(246.27)(246.45)(246.63)(246.81)(246.99)(247.17)(247.35)(247.53)(247.71)(247.89)(248.07)(248.25)(248.43)(248.61)(248.79)(248.97)(249.15)(249.33)(249.51)(249.69)(249.87)(250.05)(250.23)(250.41)(250.59)(250.77)(250.95)(251.13)(251.31)(251.49)(251.67)(251.85)(252.03)(252.21)(252.39)(252.57)(252.75)(252.93)(253.11)(253.29)(253.47)(253.65)(253.83)(254.01)(254.19)(254.37)(254.55)(254.73)(254.91)(255.09)(255.27)(255.45)(255.63)(255.81)(255.99)(256.17)(256.35)(256.53)(256.71)(256.89)(257.07)(257.25)(257.43)(257.61)(257.79)(257.97)(258.15)(258.33)(258.51)(258.69)(258.87)(259.05)(259.23)(259.41)(259.59)(259.77)(259.95)(260.13)(260.31)(260.49)(260.67)(260.85)(261.03)(261.21)(261.39)(261.57)(261.75)(261.93)(262.11)(262.29)(262.47)(262.65)(262.83)(263.01)(263.19)(263.37)(263.55)(263.73)(263.91)(264.09)(264.27)(264.45)(264.63)(264.81)(264.99)(265.17)(265.35)(265.53)(265.71)(265.89)(266.07)(266.25)(266.43)(266.61)(266.79)(266.97)(267.15)(267.33)(267.51)(267.69)(267.87)(268.05)(268.23)(268.41)(268.59)(268.77)(268.95)(269.13)(269.31)(269.49)(269.67)(269.85)(269.99)(270.17)(270.35)(270.53)(270.71)(270.89)(271.07)(271.25)(271.43)(271.61)(271.79)(271.97)(272.15)(272.33)(272.51)(272.69)(272.87)(273.05)(273.23)(273.41)(273.59)(273.77)(273.95)(274.13)(274.31)(274.49)(274.67)(274.85)(275.03)(275.21)(275.39)(275.57)(275.75)(275.93)(276.11)(276.29)(276.47)(276.65)(276.83)(277.01)(277.19)(277.37)(277.55)(277.73)(277.91)(278.09)(278.27)(278.45)(278.63)(278.81)(278.99)(279.17)(279.35)(279.53)(279.71)(279.89)(280.07)(280.25)(280.43)(280.61)(280.79)(280.97)(281.15)(281.33)(281.51)(281.69)(281.87)(282.05)(282.23)(282.41)(282.59)(282.77)(282.95)(283.13)(283.31)(283.49)(283.67)(283.85)(284.03)(284.21)(284.39)(284.57)(284.75)(284.93)(285.11)(285.29)(285.47)(285.65)(285.83)(286.01)(286.19)(286.37)(286.55)(286.73)(286.91)(287.09)(287.27)(287.45)(287.63)(287.81)(287.99)(288.17)(288.35)(288.53)(288.71)(288.89)(289.07)(289.25)(289.43)(289.61)(289.79)(289.97)(290.15)(290.33)(290.51)(290.69)(290.87)(291.05)(291.23)(291.41)(291.59)(291.77)(291.95)(292.13)(292.31)(292.49)(292.67)(292.85)(293.03)(293.21)(293.39)(293.57)(293.75)(293.93)(294.11)(294.29)(294.47)(294.65)(294.83)(295.01)(295.19)(295.37)(295.55)(295. | | | | | | | | |

6.5 Acoustic Data

• Coannular Configuration No. 5



$$A_0 = 18.049 \text{ in.}^2$$

$$A_T = A_0 + A^i = 29.399 \text{ in.}^2$$

PROC. DATE - MONTH 3 DAY 27 HR. 5.5
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JEMOTS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|------|-----|
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 80.0 | 81.0 | 82.7 | 83.8 | 84.4 | 85.5 | 86.6 | 88.8 | 91.5 | 95.1 | 98.5 | 113.2 | 105.2 | 154.7 | | | | | |
| RDG. NO. 0. | 63 | 79.5 | 82.5 | 84.3 | 84.1 | 85.2 | 86.5 | 87.8 | 89.2 | 90.8 | 92.3 | 96.3 | 115.7 | 107.3 | 157.2 | | | | | |
| RADIAL 150. FT. | 80 | 80.9 | 85.4 | 94.1 | 85.9 | 88.3 | 89.4 | 90.3 | 91.9 | 94.9 | 98.7 | 103.7 | 117.8 | 108.6 | 159.2 | | | | | |
| (46. M) | 100 | 83.1 | 84.7 | 86.7 | 86.7 | 87.8 | 89.2 | 90.0 | 93.0 | 95.9 | 100.7 | 106.4 | 119.1 | 108.7 | 160.5 | | | | | |
| VEHICLE | 125 | 83.2 | 84.2 | 86.0 | 86.8 | 87.9 | 89.2 | 90.9 | 93.5 | 96.5 | 101.8 | 106.3 | 119.5 | 109.0 | 160.6 | | | | | |
| CELL41 | 160 | 84.3 | 85.8 | 86.6 | 88.1 | 89.7 | 90.3 | 92.5 | 94.9 | 97.8 | 102.4 | 106.1 | 119.6 | 108.8 | 160.9 | | | | | |
| CONFIG | 200 | 85.3 | 86.9 | 87.9 | 88.9 | 90.5 | 91.4 | 93.7 | 95.7 | 99.4 | 102.9 | 105.4 | 118.1 | 107.9 | 159.7 | | | | | |
| LOC C41 ANECH CH | 250 | 87.9 | 88.7 | 89.5 | 90.7 | 91.1 | 92.4 | 94.1 | 96.5 | 99.2 | 102.5 | 104.5 | 114.9 | 105.9 | 157.1 | | | | | |
| DATE 06-11-76 | 315 | 87.0 | 88.3 | 90.3 | 90.6 | 91.4 | 92.8 | 94.4 | 97.3 | 100.0 | 102.9 | 103.6 | 113.5 | 103.8 | 156.1 | | | | | |
| RUN CONF5HIGHFLW | 400 | 87.4 | 88.9 | 89.9 | 90.4 | 91.8 | 93.4 | 94.5 | 96.4 | 99.9 | 102.5 | 102.4 | 112.6 | 102.1 | 155.3 | | | | | |
| TAPE | 500 | 88.2 | 88.7 | 90.2 | 90.7 | 92.3 | 92.9 | 94.8 | 97.7 | 100.0 | 101.8 | 101.2 | 110.4 | 100.7 | 153.9 | | | | | |
| X05400 | 630 | 87.5 | 88.8 | 90.1 | 91.1 | 92.2 | 92.8 | 95.5 | 97.6 | 100.1 | 101.2 | 99.9 | 109.8 | 99.1 | 153.4 | | | | | |
| BAR 29.3 HG | 800 | 88.0 | 89.1 | 89.8 | 90.6 | 92.5 | 93.1 | 95.0 | 97.6 | 100.6 | 100.7 | 99.4 | 109.0 | 98.6 | 153.0 | | | | | |
| (98807. N/M2) | 1000 | 86.8 | 88.2 | 89.2 | 90.5 | 91.3 | 92.7 | 94.3 | 98.0 | 99.7 | 100.0 | 98.0 | 107.1 | 96.2 | 151.7 | | | | | |
| TAMB 90. DEG F | 1250 | 86.2 | 87.3 | 89.1 | 90.1 | 91.2 | 92.5 | 94.4 | 97.1 | 99.1 | 98.9 | 97.6 | 106.3 | 96.8 | 151.1 | | | | | |
| (305. DEG K) | 1600 | 84.9 | 87.4 | 88.2 | 89.5 | 91.3 | 93.2 | 95.3 | 96.5 | 98.7 | 97.9 | 96.8 | 106.9 | 99.7 | 151.4 | | | | | |
| TWET 76. DEG F | 2000 | 84.5 | 85.9 | 86.4 | 88.9 | 91.3 | 93.1 | 94.8 | 95.9 | 98.4 | 97.3 | 96.2 | 106.4 | 99.9 | 151.0 | | | | | |
| (297. DEG K) | 2500 | 82.3 | 85.7 | 86.3 | 88.0 | 90.4 | 91.2 | 93.6 | 95.5 | 97.6 | 96.5 | 94.9 | 106.0 | 99.5 | 150.5 | | | | | |
| HACT17.67 GM/M3 | 3150 | 80.0 | 84.0 | 84.6 | 86.6 | 88.6 | 89.7 | 92.1 | 93.0 | 95.1 | 93.6 | 93.5 | 105.0 | 99.0 | 149.3 | | | | | |
| (.01767 KG/M3) | 4000 | 78.0 | 82.3 | 83.4 | 85.9 | 87.4 | 88.5 | 91.7 | 91.4 | 94.2 | 91.9 | 92.5 | 104.3 | 98.5 | 148.8 | | | | | |
| FREQ. SHIFT | 5000 | 76.0 | 79.8 | 81.2 | 83.3 | 87.1 | 86.7 | 90.1 | 88.6 | 91.4 | 88.7 | 85.2 | 86.1 | 95.4 | 145.3 | | | | | |
| JET 6 | 6300 | 73.4 | 78.2 | 79.1 | 80.4 | 83.9 | 84.1 | 85.4 | 86.3 | 88.6 | 85.2 | 86.1 | 95.4 | 88.7 | 142.2 | | | | | |
| DIAMETER RATIO | 8000 | 72.2 | 77.2 | 79.4 | 80.9 | 84.1 | 83.6 | 85.3 | 85.6 | 83.4 | 80.0 | 78.8 | 91.3 | 82.6 | 141.9 | | | | | |
| DF/DW 4.18 | 10000 | 69.8 | 76.8 | 79.2 | 80.7 | 82.8 | 83.1 | 85.5 | 82.9 | 83.4 | 80.4 | 76.4 | 74.0 | 84.8 | 141.1 | | | | | |
| | 12500 | 66.3 | 74.4 | 76.6 | 78.2 | 80.5 | 81.4 | 82.1 | 81.1 | 80.1 | 76.4 | 74.0 | 84.8 | 76.4 | 139.3 | | | | | |
| | 16000 | 63.9 | 68.3 | 72.4 | 72.1 | 76.4 | 76.3 | 79.4 | 80.3 | 72.2 | 74.2 | 77.4 | 63.5 | 80.1 | 137.1 | | | | | |
| | 20000 | 65.7 | 69.3 | 74.9 | 72.1 | 79.2 | 79.4 | 80.3 | 72.2 | 74.2 | 77.4 | 63.5 | 80.1 | 71.9 | 143.0 | | | | | |
| OVERALL CALCULATED | | 98.3 | 99.9 | 101.1 | 102.1 | 103.6 | 104.7 | 106.6 | 108.7 | 111.3 | 113.3 | 115.3 | 127.6 | 117.9 | 169.5 | | | | | |
| PND8 | | 107.9 | 110.6 | 111.6 | 113.0 | 115.0 | 116.0 | 118.1 | 119.7 | 122.1 | 122.1 | 122.1 | 122.1 | 122.1 | * | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 540 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | | FREQ. (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| | | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| NO EGA | | 50 | 51.8 | 54.4 | 57.2 | 59.0 | 60.0 | 61.2 | 62.2 | 64.0 | 68.4 | 70.3 | 82.8 | 71.3 |
| SIDELINE 2400. FT. | | 63 | 51.3 | 55.9 | 58.7 | 59.2 | 60.7 | 62.2 | 64.7 | 66.0 | 69.7 | 74.1 | 85.2 | 73.3 |
| (731.52 M) | | 80 | 52.5 | 58.6 | 58.5 | 61.0 | 63.8 | 65.0 | 65.8 | 67.0 | 69.3 | 72.0 | 75.3 | 87.2 |
| NFA | | 100 | 54.7 | 57.8 | 61.0 | 61.7 | 63.3 | 64.8 | 65.5 | 68.0 | 70.2 | 73.9 | 78.0 | 88.4 |
| (0. RAD/SEC) | | 125 | 54.6 | 57.3 | 60.2 | 61.7 | 63.2 | 64.8 | 66.2 | 68.5 | 70.7 | 74.9 | 77.7 | 88.5 |
| NFK | | 160 | 55.6 | 58.8 | 60.7 | 63.0 | 65.0 | 65.7 | 67.7 | 69.7 | 71.9 | 75.3 | 77.4 | 88.4 |
| (0. RAD/SEC) | | 200 | 56.4 | 59.6 | 61.8 | 63.6 | 65.6 | 66.6 | 68.9 | 70.3 | 73.3 | 75.7 | 76.4 | 86.6 |
| NFD | | 250 | 58.7 | 61.2 | 63.2 | 65.2 | 66.0 | 67.5 | 69.0 | 71.0 | 72.9 | 75.1 | 75.3 | 83.1 |
| (7500. RPM) | | 315 | 57.5 | 60.5 | 63.8 | 64.9 | 66.2 | 67.7 | 69.2 | 71.6 | 73.5 | 75.1 | 74.0 | 81.3 |
| (785. RAD/SEC) | | 400 | 57.4 | 60.8 | 63.1 | 64.4 | 66.2 | 68.0 | 69.0 | 70.4 | 73.1 | 74.4 | 72.4 | 79.8 |
| AIREFLOW RATIO | | 500 | 57.6 | 60.1 | 63.0 | 64.4 | 66.5 | 67.2 | 69.0 | 71.4 | 72.7 | 73.2 | 70.7 | 76.9 |
| WF/WH 4.18 | | 630 | 56.3 | 59.7 | 62.4 | 64.3 | 65.9 | 66.7 | 69.1 | 70.8 | 72.4 | 72.0 | 68.7 | 75.4 |
| VEHICLE | | 800 | 55.9 | 59.2 | 61.5 | 63.2 | 65.6 | 66.4 | 68.1 | 70.2 | 72.2 | 70.8 | 67.3 | 73.5 |
| CELL41 | | 1000 | 53.7 | 57.4 | 60.0 | 62.3 | 63.7 | 65.3 | 66.7 | 69.8 | 70.5 | 69.3 | 64.8 | 70.2 |
| CONFIG NC54 | | 1250 | 51.7 | 55.4 | 58.9 | 61.0 | 62.7 | 64.3 | 66.0 | 68.0 | 68.9 | 67.0 | 63.1 | 67.6 |
| LOC C41 ANECH CH | | 1600 | 48.4 | 53.9 | 56.6 | 59.1 | 61.6 | 63.7 | 65.6 | 66.1 | 67.1 | 64.3 | 60.3 | 65.7 |
| DATE 06-11-76 | | 2000 | 45.7 | 50.4 | 53.1 | 57.0 | 60.1 | 62.2 | 63.6 | 64.0 | 65.1 | 61.9 | 57.4 | 62.1 |
| RUN CONFISHGHEW | | 2500 | 40.2 | 47.5 | 50.6 | 53.9 | 57.1 | 58.2 | 60.3 | 61.4 | 61.8 | 58.2 | 52.7 | 57.4 |
| TAPE X05400 | | 3150 | 32.5 | 41.3 | 44.9 | 48.8 | 51.9 | 53.3 | 55.4 | 55.2 | 55.4 | 50.8 | 45.9 | 49.5 |
| FAN TIP SPEED | | 4000 | 22.4 | 32.8 | 37.8 | 42.7 | 45.5 | 47.0 | 49.8 | 48.2 | 48.6 | 42.5 | 36.9 | 38.3 |
| FT/SEC | | 5000 | 15.7 | 26.5 | 32.2 | 37.0 | 42.2 | 42.2 | 45.2 | 42.3 | 42.4 | 35.4 | 27.0 | 27.9 |
| | | 6300 | 13.4 | 20.0 | 24.8 | 30.2 | 31.1 | 31.7 | 30.7 | 29.5 | 20.4 | 12.0 | 5.4 | |
| | | 8000 | | 4.9 | 11.1 | 17.0 | 17.3 | 18.2 | 13.9 | 11.2 | | | | |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | | |
|---------------|------------|--------------------------|--|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
| 5 | 540 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.8
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) (0.) (0.) |
| RDG. NO. | 50 | 63 | 80 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 |
| RADIAL (12. M) | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| VEHICLE CELL41 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| CONFIG NCS4 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| LOC C41 ANECH CH | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| DATE 06-11-76 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| RUN CONF5HIGHFLW | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| TAPE X05410 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| BAR 29.3 HG | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| (98773. N/M2) | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| TAPB 38. DEG F | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| (304. DEG K) | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| TWET 74. DEG F | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| (296. DEG K) | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| HACT16.81 GM/M3 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| (.01681 KG/M3) | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| FREQ. SHIFT | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| JET G | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| DIAMETER RATIO | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| DF/DM 1.00 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| OVERALL MEASURED | 102.7 | 103.8 | 104.2 | 105.3 | 106.4 | 107.4 | 109.1 | 111.3 | 113.7 | 116.0 | 119.3 | 122.7 | 126.0 | 130.0 |
| OVERALL CALCULATED | 102.7 | 103.8 | 104.2 | 105.3 | 106.4 | 107.4 | 109.1 | 111.3 | 113.7 | 116.0 | 119.3 | 122.7 | 126.0 | 130.0 |
| PNOB | 116.3 | 117.4 | 117.7 | 118.5 | 119.5 | 120.2 | 121.6 | 124.0 | 126.5 | 129.1 | 131.6 | 134.0 | 136.4 | 138.8 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 541 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-190cm²(29.4in²)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|------|------|-----|
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| NO EGA | 50 | 83.2 | 83.2 | 84.7 | 86.8 | 87.1 | 88.0 | 89.1 | 91.5 | 94.2 | 97.8 | 101.5 | 107.2 | 109.0 | 152.3 | | | | |
| RDG. NO. | 63 | 82.0 | 84.8 | 86.5 | 87.1 | 87.4 | 89.3 | 91.9 | 93.8 | 95.3 | 98.8 | 105.6 | 109.0 | 110.3 | 154.2 | | | | |
| U. | 80 | 83.1 | 87.9 | 86.9 | 88.4 | 90.8 | 91.6 | 92.5 | 94.7 | 97.1 | 101.7 | 107.7 | 111.6 | 112.1 | 156.4 | | | | |
| RADIAL 150. FT. | 100 | 85.4 | 86.9 | 88.9 | 89.2 | 90.3 | 91.2 | 92.5 | 95.2 | 98.4 | 103.5 | 109.9 | 113.1 | 112.4 | 157.8 | | | | |
| (46. M) | 125 | 86.0 | 87.0 | 88.5 | 89.3 | 90.4 | 92.5 | 93.6 | 96.3 | 99.2 | 105.6 | 110.8 | 114.2 | 113.0 | 158.7 | | | | |
| VEHICLE | 160 | 87.3 | 88.6 | 89.6 | 90.6 | 92.4 | 93.5 | 94.9 | 96.0 | 98.9 | 101.9 | 106.2 | 111.1 | 115.1 | 159.4 | | | | |
| CONFIG | 200 | 89.1 | 90.1 | 90.4 | 92.2 | 93.5 | 94.9 | 96.0 | 97.1 | 99.5 | 102.2 | 106.3 | 110.0 | 113.7 | 159.9 | | | | |
| LOC C41 ANECH CH | 250 | 91.9 | 92.4 | 92.4 | 93.2 | 94.3 | 95.4 | 97.1 | 100.6 | 103.0 | 106.4 | 108.8 | 113.2 | 112.8 | 158.5 | | | | |
| DATE 06-11-76 | 315 | 91.0 | 92.3 | 93.3 | 93.8 | 94.2 | 96.3 | 97.7 | 100.6 | 103.4 | 105.7 | 107.7 | 111.6 | 111.9 | 157.4 | | | | |
| RUN CONFHIGHFLW | 400 | 90.9 | 92.9 | 92.7 | 93.4 | 94.8 | 96.4 | 97.8 | 100.2 | 103.4 | 105.7 | 107.7 | 110.2 | 109.4 | 156.7 | | | | |
| TAPE X05410 | 500 | 92.7 | 92.9 | 93.5 | 94.5 | 95.3 | 96.2 | 98.3 | 101.2 | 103.5 | 106.0 | 106.7 | 110.2 | 108.8 | 156.1 | | | | |
| BAR 29.3 HG | 630 | 96.0 | 95.1 | 95.1 | 94.9 | 95.7 | 96.6 | 98.5 | 101.4 | 103.6 | 104.9 | 105.6 | 109.0 | 108.8 | 155.8 | | | | |
| (98773. N/M2) | 800 | 95.3 | 96.1 | 96.1 | 96.6 | 97.2 | 97.1 | 98.5 | 101.1 | 103.8 | 104.7 | 105.6 | 107.8 | 107.3 | 154.9 | | | | |
| TAMB 88. DEG F | 1000 | 93.3 | 94.4 | 94.7 | 96.2 | 96.8 | 97.4 | 98.3 | 100.9 | 103.4 | 104.5 | 104.2 | 106.1 | 104.9 | 154.1 | | | | |
| (304. DEG K) | 1250 | 92.2 | 93.3 | 93.8 | 95.1 | 95.7 | 97.0 | 98.4 | 101.1 | 102.6 | 103.7 | 102.9 | 105.5 | 104.3 | 154.3 | | | | |
| TWET 74. DEG F | 1600 | 90.6 | 92.4 | 93.2 | 94.5 | 95.8 | 97.4 | 99.6 | 101.0 | 103.0 | 102.1 | 102.5 | 105.9 | 104.4 | 153.6 | | | | |
| (296. DEG K) | 2000 | 89.0 | 90.4 | 91.7 | 93.7 | 95.5 | 96.9 | 99.5 | 100.4 | 102.4 | 101.8 | 101.2 | 104.4 | 103.4 | 152.8 | | | | |
| HACT16.81 GM/M3 | 2500 | 87.8 | 90.2 | 90.6 | 92.3 | 95.6 | 95.7 | 97.6 | 99.8 | 101.8 | 100.0 | 100.1 | 104.0 | 103.0 | 151.2 | | | | |
| (.01681 KG/M3) | 3150 | 85.2 | 83.3 | 89.1 | 91.1 | 92.7 | 93.8 | 96.4 | 97.7 | 99.1 | 98.3 | 98.2 | 102.0 | 102.3 | 150.6 | | | | |
| FREQ. SHIFT | 4000 | 84.5 | 87.0 | 88.2 | 90.1 | 91.7 | 92.8 | 95.7 | 95.4 | 98.5 | 97.0 | 97.1 | 101.8 | 101.5 | 147.5 | | | | |
| JET 6 | 5000 | 82.0 | 85.1 | 86.7 | 88.3 | 91.1 | 90.4 | 93.8 | 92.7 | 95.5 | 92.5 | 93.1 | 96.1 | 98.2 | 144.9 | | | | |
| DIAMETER RATIO | 6300 | 81.0 | 83.5 | 84.6 | 86.5 | 88.4 | 88.4 | 89.4 | 89.8 | 92.4 | 89.1 | 91.6 | 91.4 | 93.5 | 145.0 | | | | |
| DF/DM 4.18 | 8000 | 80.3 | 82.8 | 85.2 | 87.2 | 89.5 | 88.4 | 90.6 | 89.0 | 89.8 | 86.6 | 88.1 | 91.5 | 91.7 | 145.3 | | | | |
| | 10000 | 77.9 | 81.7 | 84.6 | 86.8 | 87.7 | 88.7 | 90.4 | 88.6 | 88.6 | 85.4 | 85.5 | 89.1 | 89.2 | 144.0 | | | | |
| | 12500 | 74.2 | 78.8 | 82.8 | 84.4 | 84.2 | 85.8 | 87.3 | 86.3 | 85.6 | 81.3 | 81.9 | 83.7 | 85.1 | 141.8 | | | | |
| | 16000 | 72.8 | 75.8 | 80.2 | 79.1 | 78.6 | 79.8 | 80.4 | 79.9 | 80.2 | 78.1 | 78.9 | 80.1 | 81.3 | 147.1 | | | | |
| | 20000 | 75.7 | 78.3 | 84.5 | 81.4 | 79.8 | 80.9 | 81.6 | 77.3 | 78.5 | 78.8 | 78.9 | 81.7 | 83.7 | 169.6 | | | | |
| OVERALL CALCULATED | 103.7 | 104.7 | 105.2 | 106.3 | 107.5 | 108.4 | 110.2 | 112.3 | 114.7 | 116.9 | 120.2 | 123.8 | 123.4 | | | | | | |
| PNDB | 113.4 | 115.2 | 115.9 | 117.4 | 119.4 | 120.0 | 122.0 | 123.7 | 125.9 | 125.9 | 127.2 | 130.8 | 130.4 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 541 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 5 | 541 | 731.5m(2400ft.) SIDELINE | FULL- 33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 21.8
F, 70 PERCENT REL. HUM. DAY - JENOTS

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | C. U. | C. PUL | | | | | | | |
|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | | | | | | | | | |
| (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 5 | 542 | 12.2m(40ft.) ARC | MODEL-190cm ² (29.4in ²) |

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 5 | 542 | 45.7m(150ft.) ARC | FULL-.33m ² (53in ²) |

| FULL SIZE SOUND PRESSURE | | | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | 160. | 150. | 140. | 130. | 120. | 110. | 100. | 90. | 80. | 70. | 60. | 50. | 40. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | | | | | | | | | | | | | | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) | (4.20) | (4.37) | (4.55) | (4.73) | (4.91) | (5.09) | (5.26) | (5.44) | (5.62) | (5.79) | (5.97) | (6.15) | (6.33) | (6.51) | (6.69) | (6.87) | (7.05) | (7.23) | (7.41) | (7.59) | (7.77) | (7.95) | (8.13) | (8.31) | (8.49) | (8.67) | (8.85) | (9.03) | (9.21) | (9.39) | (9.57) | (9.75) | (9.93) | (10.11) | (10.29) | (10.47) | (10.65) | (10.83) | (11.01) | (11.19) | (11.37) | (11.55) | (11.73) | (11.91) | (12.09) | (12.27) | (12.45) | (12.63) | (12.81) | (12.99) | (13.17) | (13.35) | (13.53) | (13.71) | (13.89) | (14.07) | (14.25) | (14.43) | (14.61) | (14.79) | (14.97) | (15.15) | (15.33) | (15.51) | (15.69) | (15.87) | (16.05) | (16.23) | (16.41) | (16.59) | (16.77) | (16.95) | (17.13) | (17.31) | (17.49) | (17.67) | (17.85) | (18.03) | (18.21) | (18.39) | (18.57) | (18.75) | (18.93) | (19.11) | (19.29) | (19.47) | (19.65) | (19.83) | (20.01) | (20.19) | (20.37) | (20.55) | (20.73) | (20.91) | (21.09) | (21.27) | (21.45) | (21.63) | (21.81) | (21.99) | (22.17) | (22.35) | (22.53) | (22.71) | (22.89) | (23.07) | (23.25) | (23.43) | (23.61) | (23.79) | (23.97) | (24.15) | (24.33) | (24.51) | (24.69) | (24.87) | (25.05) | (25.23) | (25.41) | (25.59) | (25.77) | (25.95) | (26.13) | (26.31) | (26.49) | (26.67) | (26.85) | (27.03) | (27.21) | (27.39) | (27.57) | (27.75) | (27.93) | (28.11) | (28.29) | (28.47) | (28.65) | (28.83) | (29.01) | (29.19) | (29.37) | (29.55) | (29.73) | (29.91) | (30.09) | (30.27) | (30.45) | (30.63) | (30.81) | (30.99) | (31.17) | (31.35) | (31.53) | (31.71) | (31.89) | (32.07) | (32.25) | (32.43) | (32.61) | (32.79) | (32.97) | (33.15) | (33.33) | (33.51) | (33.69) | (33.87) | (34.05) | (34.23) | (34.41) | (34.59) | (34.77) | (34.95) | (35.13) | (35.31) | (35.49) | (35.67) | (35.85) | (36.03) | (36.21) | (36.39) | (36.57) | (36.75) | (36.93) | (37.11) | (37.29) | (37.47) | (37.65) | (37.83) | (38.01) | (38.19) | (38.37) | (38.55) | (38.73) | (38.91) | (39.09) | (39.27) | (39.45) | (39.63) | (39.81) | (39.99) | (40.17) | (40.35) | (40.53) | (40.71) | (40.89) | (41.07) | (41.25) | (41.43) | (41.61) | (41.79) | (41.97) | (42.15) | (42.33) | (42.51) | (42.69) | (42.87) | (43.05) | (43.23) | (43.41) | (43.59) | (43.77) | (43.95) | (44.13) | (44.31) | (44.49) | (44.67) | (44.85) | (45.03) | (45.21) | (45.39) | (45.57) | (45.75) | (45.93) | (46.11) | (46.29) | (46.47) | (46.65) | (46.83) | (47.01) | (47.19) | (47.37) | (47.55) | (47.73) | (47.91) | (48.09) | (48.27) | (48.45) | (48.63) | (48.81) | (48.99) | (49.17) | (49.35) | (49.53) | (49.71) | (49.89) | (50.07) | (50.25) | (50.43) | (50.61) | (50.79) | (50.97) | (51.15) | (51.33) | (51.51) | (51.69) | (51.87) | (52.05) | (52.23) | (52.41) | (52.59) | (52.77) | (52.95) | (53.13) | (53.31) | (53.49) | (53.67) | (53.85) | (54.03) | (54.21) | (54.39) | (54.57) | (54.75) | (54.93) | (55.11) | (55.29) | (55.47) | (55.65) | (55.83) | (56.01) | (56.19) | (56.37) | (56.55) | (56.73) | (56.91) | (57.09) | (57.27) | (57.45) | (57.63) | (57.81) | (57.99) | (58.17) | (58.35) | (58.53) | (58.71) | (58.89) | (59.07) | (59.25) | (59.43) | (59.61) | (59.79) | (59.97) | (60.15) | (60.33) | (60.51) | (60.69) | (60.87) | (61.05) | (61.23) | (61.41) | (61.59) | (61.77) | (61.95) | (62.13) | (62.31) | (62.49) | (62.67) | (62.85) | (63.03) | (63.21) | (63.39) | (63.57) | (63.75) | (63.93) | (64.11) | (64.29) | (64.47) | (64.65) | (64.83) | (65.01) | (65.19) | (65.37) | (65.55) | (65.73) | (65.91) | (66.09) | (66.27) | (66.45) | (66.63) | (66.81) | (66.99) | (67.17) | (67.35) | (67.53) | (67.71) | (67.89) | (68.07) | (68.25) | (68.43) | (68.61) | (68.79) | (68.97) | (69.15) | (69.33) | (69.51) | (69.69) | (69.87) | (70.05) | (70.23) | (70.41) | (70.59) | (70.77) | (70.95) | (71.13) | (71.31) | (71.49) | (71.67) | (71.85) | (72.03) | (72.21) | (72.39) | (72.57) | (72.75) | (72.93) | (73.11) | (73.29) | (73.47) | (73.65) | (73.83) | (74.01) | (74.19) | (74.37) | (74.55) | (74.73) | (74.91) | (75.09) | (75.27) | (75.45) | (75.63) | (75.81) | (75.99) | (76.17) | (76.35) | (76.53) | (76.71) | (76.89) | (77.07) | (77.25) | (77.43) | (77.61) | (77.79) | (77.97) | (78.15) | (78.33) | (78.51) | (78.69) | (78.87) | (79.05) | (79.23) | (79.41) | (79.59) | (79.77) | (79.95) | (80.13) | (80.31) | (80.49) | (80.67) | (80.85) | (81.03) | (81.21) | (81.39) | (81.57) | (81.75) | (81.93) | (82.11) | (82.29) | (82.47) | (82.65) | (82.83) | (83.01) | (83.19) | (83.37) | (83.55) | (83.73) | (83.91) | (84.09) | (84.27) | (84.45) | (84.63) | (84.81) | (84.99) | (85.17) | (85.35) | (85.53) | (85.71) | (85.89) | (86.07) | (86.25) | (86.43) | (86.61) | (86.79) | (86.97) | (87.15) | (87.33) | (87.51) | (87.69) | (87.87) | (88.05) | (88.23) | (88.41) | (88.59) | (88.77) | (88.95) | (89.13) | (89.31) | (89.49) | (89.67) | (89.85) | (90.03) | (90.21) | (90.39) | (90.57) | (90.75) | (90.93) | (91.11) | (91.29) | (91.47) | (91.65) | (91.83) | (92.01) | (92.19) | (92.37) | (92.55) | (92.73) | (92.91) | (93.09) | (93.27) | (93.45) | (93.63) | (93.81) | (93.99) | (94.17) | (94.35) | (94.53) | (94.71) | (94.89) | (95.07) | (95.25) | (95.43) | (95.61) | (95.79) | (95.97) | (96.15) | (96.33) | (96.51) | (96.69) | (96.87) | (97.05) | (97.23) | (97.41) | (97.59) | (97.77) | (97.95) | (98.13) | (98.31) | (98.49) | (98.67) | (98.85) | (99.03) | (99.21) | (99.39) | (99.57) | (99.75) | (99.93) | (100.11) | (100.29) | (100.47) | (100.65) | (100.83) | (101.01) | (101.19) | (101.37) | (101.55) | (101.73) | (101.91) | (102.09) | (102.27) | (102.45) | (102.63) | (102.81) | (102.99) | (103.17) | (103.35) | (103.53) | (103.71) | (103.89) | (104.07) | (104.25) | (104.43) | (104.61) | (104.79) | (104.97) | (105.15) | (105.33) | (105.51) | (105.69) | (105.87) | (106.05) | (106.23) | (106.41) | (106.59) | (106.77) | (106.95) | (107.13) | (107.31) | (107.49) | (107.67) | (107.85) | (108.03) | (108.21) | (108.39) | (108.57) | (108.75) | (108.93) | (109.11) | (109.29) | (109.47) | (109.65) | (109.83) | (109.99) | (110.17) | (110.35) | (110.53) | (110.71) | (110.89) | (111.07) | (111.25) | (111.43) | (111.61) | (111.79) | (111.97) | (112.15) | (112.33) | (112.51) | (112.69) | (112.87) | (113.05) | (113.23) | (113.41) | (113.59) | (113.77) | (113.95) | (114.13) | (114.31) | (114.49) | (114.67) | (114.85) | (115.03) | (115.21) | (115.39) | (115.57) | (115.75) | (115.93) | (116.11) | (116.29) | (116.47) | (116.65) | (116.83) | (117.01) | (117.19) | (117.37) | (117.55) | (117.73) | (117.91) | (118.09) | (118.27) | (118.45) | (118.63) | (118.81) | (118.99) | (119.17) | (119.35) | (119.53) | (119.71) | (119.89) | (120.07) | (120.25) | (120.43) | (120.61) | (120.79) | (120.97) | (121.15) | (121.33) | (121.51) | (121.69) | (121.87) | (122.05) | (122.23) | (122.41) | (122.59) | (122.77) | (122.95) | (123.13) | (123.31) | (123.49) | (123.67) | (123.85) | (124.03) | (124.21) | (124.39) | (124.57) | (124.75) | (124.93) | (125.11) | (125.29) | (125.47) | (125.65) | (125.83) | (126.01) | (126.19) | (126.37) | (126.55) | (126.73) | (126.91) | (127.09) | (127.27) | (127.45) | (127.63) | (127.81) | (127.99) | (128.17) | (128.35) | (128.53) | (128.71) | (128.89) | (129.07) | (129.25) | (129.43) | (129.61) | (129.79) | (129.97) | (130.15) | (130.33) | (130.51) | (130.69) | (130.87) | (131.05) | (131.23) | (131.41) | (131.59) | (131.77) | (131.95) | (132.13) | (132.31) | (132.49) | (132.67) | (132.85) | (133.03) | (133.21) | (133.39) | (133.57) | (133.75) | (133.93) | (134.11) | (134.29) | (134.47) | (134.65) | (134.83) | (135.01) | (135.19) | (135.37) | (135.55) | (135.73) | (135.91) | (136.09) | (136.27) | (136.45) | (136.63) | (136.81) | (136.99) | (137.17) | (137.35) | (137.53) | (137.71) | (137.89) | (138.07) | (138.25) | (138.43) | (138.61) | (138.79) | (138.97) | (139.15) | (139.33) | (139.51) | (139.69) | (139.87) | (140.05) | (140.23) | (140.41) | (140.59) | (140.77) | (140.95) | (141.13) | (141.31) | (141.49) | (141.67) | (141.85) | (142.03) | (142.21) | (142.39) | (142.57) | (142.75) | (142.93) | (143.11) | (143.29) | (143.47) | (143.65) | (143.83) | (144.01) | (144.19) | (144.37) | (144.55) | (144.73) | (144.91) | (145.09) | (145.27) | (145.45) | (145.63) | (145.81) | (145.99) | (146.17) | (146.35) | (146.53) | (146.71) | (146.89) | (147.07) | (147.25) | (147.43) | (147.61) | (147.79) | (147.97) | (148.15) | (148.33) | (148.51) | (148.69) | (148.87) | (149.05) | (149.23) | (149.41) | (149.59) | (149.77) | (149.95) | (150.13) | (150.31) | (150.49) | (150.67) | (150.85) | (151.03) | (151.21) | (151.39) | (151.57) | (151.75) | (151.93) | (152.11) | (152.29) | (152.47) | (152.65) | (152.83) | (153.01) | (153.19) | (153.37) | (153.55) | (153.73) | (153.91) | (154.09) | (154.27) | (154.45) | (154.63) | (154.81) | (154.99) | (155.17) | (155.35) | (155.53) | (155.71) | (155.89) | (156.07) | (156.25) | (156.43) | (156.61) | (156.79) | (156.97) | (157.15) | (157.33) | (157.51) | (157.69) | (157.87) | (158.05) | (158.23) | (158.41) | (158.59) | (158.77) | (158.95) | (159.13) | (159.31) | (159.49) | (159.67) | (159.85) | (160.03) | (160.21) | (160.39) | (160.57) | (160.75) | (160.93) | (161.11) | (161.29) | (161.47) | (161.65) | (161.83) | (162.01) | (162.19) | (162.37) | (162.55) | (162.73) | (162.91) | (163.09) | (163.27) | (163.45) | (163.63) | (163.81) | (163.99) | (164.17) | (164.35) | (164.53) | (164.71) | (164.89) | (165.07) | (165.25) | (165.43) | (165.61) | (165.79) | (165.97) | (166.15) | (166.33) | (166.51) | (166.69) | (166.87) | (167.05) | (167.23) | (167.41) | (167.59) | (167.77) | (167.95) | (168.13) | (168.31) | (168.49) | (168.67) | (168.85) | (169.03) | (169.21) | (169.39) | (169.57) | (169.75) | (169.93) | (170.11) | (170.29) | (170.47) | (170.65) | (170.83) | (171.01) | (171.19) | (171.37) | (171.55) | (171.73) | (171.91) | (172.09) | (172.27) | (172.45) | (172.63) | (172.81) | (172.99) | (173.17) | (173.35) | (173.53) | (173.71) | (173.89) | (174.07) | (174.25) | (174.43) | (174.61) | (174.79) | (174.97) | (175.15) | (175.33) | (175.51) | (175.69) | (175.87) | (176.05) | (176.23) | (176.41) | (176.59) | (176.77) | (176.95) | (177.13) | (177.31) | (177.49) | (177.67) | (177.85) | (178.03) | (178.21) | (178.39) | (178.57) | (178.75) | (178.93) | (179.11) | (179.29) | (179.47) | (179.65) | (179.83) | (179.99) | (180.17) | (180.35) | (180.53) | (180.71) | (180.89) | (181.07) | (181.25) | (181.43) | (181.61) | (181.79) | (181.97) | (182.15) | (182.33) | (182.51) | (182.69) | (182.87) | (183.05) | (183.23) | (183.41) | (183.59) | (183.77) | (183.95) | (184.13) | (184.31) | (184.49) | (184.67) | (184.85) | (185.03) | (185.21) | (185.39) | (185.57) | (185.75) | (185.93) | (186.11) | (186.29) | (186.47) | (186.65) | (186.83) | (187.01) | (187.19) | (187.37) | (187.55) | (187.73) | (187.91) | (188.09) | (188.27) | (188.45) | (188.63) | (188.81) | (188.99) | (189.17) | (189.35) | (189.53) | (189.71) | (189.89) | (190.07) | (190.25) | (190.43) | (190.61) | (190.79) | (190.97) | (191.15) | (191.33) | (191.51) | (191.69) | (191.87) | (192.05) | (192.23) | (192.41) | (192.59) | (192.77) | (192.95) | (193.13) | (193.31) | (193.49) | (193.67) | (193.85) | (194.03) | (194.21) | (194.39) | (194.57) | (194.75) | (194.93) | (195.11) | (195.29) | (195.47) | (195.65) | (195.83) | (196.01) | (196.19) | (196.37) | (196.55) | (196.73) | (196.91) | (197.09) | (197.27) | (197.45) | (197.63) | (197.81) | (197.99) | (198.17) | (198.35) | (198.53) | (198.71) | (198.89) | (199.07) | (199.25) | (199.43) | (199.61) | (199.79) | (199.97) | (200.15) | (200.33) | (200.51) | (200.69) | (200.87) | (201.05) | (201.23) | (201.41) | (201.59) | (201.77) | (201.95) | (202.13) | (202.31) | (202.49) | (202.67) | (202.85) | (203.03) | (203.21) | (203.39) | (203.57) | (203.75) | (203.93) | (204.11) | (204.29) | (204.47) | (204.65) | (204.83) | (205.01) | (205.19) | (205.37) | (205.55) | (205.73) | (205.91) | (206.09) | (206.27) | (206.45) | (206.63) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 5 | 542 | 731.5m(2400ft.) SIDELINE | FULL - 33m ² (531m ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 8 DAY 27 HR. 5.5
DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS

| ROG. NO. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PUL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|-------|
| NO EGA | 50 | 82.2 | 82.7 | 84.5 | 85.8 | 86.4 | 87.0 | 88.6 | 90.5 | 93.2 | 97.3 | 100.8 | 105.5 | 107.0 | | | | 150.8 |
| RADIAL 150. FT. | 63 | 81.3 | 83.8 | 85.5 | 86.1 | 86.7 | 88.0 | 90.7 | 92.6 | 94.3 | 96.4 | 100.7 | 106.4 | 109.6 | 110.1 | | | 153.0 |
| (46. M) | 80 | 82.6 | 86.9 | 85.4 | 87.2 | 89.8 | 90.4 | 91.8 | 93.4 | 96.4 | 100.7 | 106.4 | 109.6 | 110.1 | | | | 154.7 |
| VEHICLE CELL41 | 100 | 84.9 | 86.4 | 88.2 | 88.5 | 89.5 | 90.7 | 91.8 | 95.0 | 97.7 | 103.2 | 108.9 | 111.6 | 110.4 | | | | 156.4 |
| CONFIG NC54 | 125 | 84.7 | 86.0 | 87.2 | 88.3 | 89.6 | 91.5 | 93.4 | 95.3 | 98.7 | 104.6 | 108.8 | 111.7 | 110.5 | | | | 156.4 |
| LOC C41 ANECH CH | 160 | 86.3 | 87.6 | 88.6 | 89.9 | 91.2 | 92.3 | 94.5 | 96.9 | 100.3 | 104.9 | 108.1 | 111.1 | 110.1 | | | | 156.4 |
| DATE 06-11-76 | 200 | 87.6 | 88.9 | 89.9 | 91.4 | 92.7 | 94.1 | 95.2 | 97.9 | 101.1 | 105.4 | 108.1 | 110.1 | 109.9 | | | | 156.2 |
| RUN CONF5HIGHFLW | 250 | 89.2 | 90.4 | 91.4 | 92.0 | 93.4 | 95.0 | 96.9 | 99.6 | 102.0 | 105.3 | 107.0 | 107.7 | 108.4 | | | | 155.3 |
| TAPE X05430 | 315 | 89.0 | 90.3 | 92.3 | 92.6 | 94.3 | 95.9 | 96.5 | 99.2 | 102.7 | 105.0 | 106.3 | 107.5 | 107.8 | | | | 155.0 |
| BAR 29.3 HG | 400 | 89.6 | 91.1 | 91.2 | 92.7 | 94.3 | 95.9 | 97.8 | 100.2 | 103.0 | 105.3 | 105.2 | 106.4 | 106.7 | | | | 154.9 |
| (98773. N/M2) | 500 | 89.7 | 90.9 | 92.0 | 93.0 | 94.6 | 95.9 | 97.8 | 100.6 | 103.3 | 104.7 | 104.6 | 106.5 | 106.3 | | | | 154.8 |
| TAMB 88. DEG F | 630 | 89.5 | 90.8 | 92.1 | 93.4 | 95.2 | 96.1 | 97.7 | 100.4 | 103.8 | 104.4 | 104.9 | 106.5 | 106.1 | | | | 154.3 |
| (304. DEG K) | 800 | 90.0 | 91.6 | 92.1 | 93.4 | 95.2 | 96.1 | 97.8 | 101.2 | 102.9 | 104.3 | 103.7 | 106.1 | 104.1 | | | | 153.8 |
| TWET 74. DEG F | 1000 | 88.6 | 89.9 | 91.7 | 92.9 | 94.5 | 95.6 | 97.8 | 101.2 | 102.9 | 104.3 | 103.7 | 106.1 | 104.1 | | | | 153.7 |
| (296. DEG K) | 1250 | 88.5 | 89.8 | 91.3 | 92.8 | 94.6 | 96.2 | 98.3 | 100.0 | 102.5 | 102.6 | 103.9 | 105.2 | 103.9 | | | | 153.2 |
| HACT16.81 GM/M3 | 1600 | 87.3 | 89.7 | 91.0 | 92.2 | 94.6 | 96.2 | 98.3 | 100.0 | 102.5 | 102.6 | 103.9 | 105.2 | 103.9 | | | | 152.6 |
| (.01681 KG/M3) | 2000 | 86.5 | 88.1 | 89.9 | 91.4 | 94.2 | 96.1 | 98.2 | 99.7 | 101.7 | 102.1 | 102.2 | 104.4 | 103.1 | | | | 150.8 |
| FREQ. SHIFT | 2500 | 84.3 | 85.0 | 89.1 | 91.0 | 93.6 | 94.2 | 96.9 | 99.3 | 101.3 | 100.5 | 101.1 | 104.2 | 102.7 | | | | 150.0 |
| JET 6 | 3150 | 81.7 | 86.0 | 87.6 | 89.6 | 91.4 | 92.8 | 94.9 | 95.2 | 98.7 | 97.0 | 98.6 | 100.6 | 99.8 | | | | 147.4 |
| DIAMETER RATIO | 4000 | 80.2 | 84.3 | 86.2 | 88.6 | 90.7 | 92.0 | 94.9 | 95.2 | 98.7 | 97.0 | 98.6 | 100.6 | 99.8 | | | | 144.8 |
| DF/DN 4.18 | 5000 | 77.5 | 82.1 | 84.5 | 86.3 | 89.6 | 89.4 | 92.6 | 92.2 | 95.5 | 93.3 | 94.4 | 97.6 | 98.2 | | | | 144.2 |
| | 6300 | 75.0 | 80.3 | 81.6 | 83.7 | 86.2 | 86.7 | 88.2 | 89.1 | 92.9 | 90.1 | 92.4 | 93.2 | 95.0 | | | | 142.6 |
| | 8000 | 73.3 | 79.3 | 81.5 | 83.5 | 85.2 | 85.4 | 88.1 | 87.2 | 89.8 | 87.1 | 89.3 | 93.7 | 93.7 | | | | 140.2 |
| | 10000 | 69.6 | 77.7 | 81.1 | 81.3 | 82.2 | 82.4 | 85.4 | 83.6 | 86.3 | 84.7 | 86.7 | 90.6 | 91.5 | | | | 140.4 |
| | 12500 | 66.2 | 76.1 | 79.6 | 79.4 | 78.2 | 79.5 | 80.3 | 78.8 | 81.3 | 80.1 | 82.9 | 85.5 | 86.6 | | | | 146.4 |
| | 16000 | 64.1 | 74.3 | 79.2 | 77.9 | 76.9 | 76.6 | 75.1 | 77.5 | 77.6 | 80.6 | 81.3 | 83.1 | | | | | 167.6 |
| | 20000 | 66.2 | 77.8 | 84.3 | 80.6 | 79.5 | 79.9 | 80.3 | 73.6 | 76.8 | 79.1 | 79.4 | 81.7 | 84.2 | | | | |
| OVERALL CALCULATED | 100.2 | 102.0 | 103.2 | 104.5 | 106.1 | 107.4 | 109.3 | 111.6 | 114.3 | 116.4 | 118.5 | 120.8 | 120.5 | | | | | |
| PH.8 | 109.9 | 112.7 | 114.0 | 115.7 | 117.7 | 118.7 | 121.0 | 123.0 | 125.5 | 125.9 | 127.1 | 129.6 | 128.9 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 543 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.8
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| NO EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. | (0. | (0. | (0. |
| 50 | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 630 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 1250 | | | | | | | | | | | | | | | | | |
| 1600 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 3150 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 6300 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 25000 | | | | | | | | | | | | | | | | | |
| 31500 | | | | | | | | | | | | | | | | | |
| 40000 | | | | | | | | | | | | | | | | | |
| 50000 | | | | | | | | | | | | | | | | | |
| 63000 | | | | | | | | | | | | | | | | | |
| 80000 | | | | | | | | | | | | | | | | | |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 105.5 | 107.0 | 107.6 | 108.6 | 109.6 | 110.7 | 112.4 | 114.7 | 117.5 | 120.1 | 123.8 | 127.0 | 126.0 | | | | |
| PND8 | 119.0 | 120.5 | 120.8 | 121.7 | 122.5 | 123.3 | 124.7 | 127.5 | 130.3 | 132.6 | 135.7 | 138.4 | 136.6 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 544 ACOUSTIC RANGE 12.2m(40ft.) ARC MODEL-190cm²(29.4in²) SIZE

| PAGE 5 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PROC. DATE - MONTH 8 DAY 27 HR. 5.5 | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
| FREQ. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | |
| NO EGA (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) (731.52 M) | | | | | | | | | | | | | |
| NFA (0. RAD/SEC) NFK (0. RAD/SEC) NFD (0. RAD/SEC) NFE (0. RAD/SEC) NFF (0. RAD/SEC) NFG (0. RAD/SEC) NFH (0. RAD/SEC) NFI (0. RAD/SEC) NFI (0. RAD/SEC) NFI (0. RAD/SEC) | | | | | | | | | | | | | |
| AIRFLOW RATIO WF/WM 4.18 | | | | | | | | | | | | | |
| VEHICLE CELL41 CONFIG NC54 LOC C41 ANECH CH DATE 06-11-76 RUN CONFHIGHFLW TAPE X03440 FAN TIP SPEED FT/SEC | | | | | | | | | | | | | |
| OVERALL CALCULATED | 75.1 | 78.1 | 80.1 | 81.7 | 83.1 | 84.4 | 85.7 | 87.9 | 90.2 | 92.4 | 94.7 | 95.6 | 90.8 |
| PND8 | 80.6 | 84.2 | 86.4 | 88.8 | 91.0 | 92.3 | 94.0 | 95.4 | 96.9 | 97.5 | 98.6 | 98.9 | 92.7 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 544 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.8
 MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | NO. EGA | FREQ. (0.70)(0.87)(1.05)(1.22) 1.40(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) | | | | | | | | | | PWL | | | | | | | | | |
|--------------------|---------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|----|----|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 100 | 35.1 | 94.4 | 92.4 | 93.7 | 94.5 | 93.9 | 94.5 | 95.5 | 96.4 | 97.5 | 101.4 | 102.1 | 105.2 | 139.4 | | | | | | | |
| 125 | 84.1 | 88.6 | 89.1 | 91.7 | 93.7 | 95.1 | 95.5 | 96.7 | 95.1 | 94.7 | 103.4 | 106.1 | 106.6 | 140.7 | | | | | | | |
| 160 | 84.1 | 86.7 | 90.9 | 90.5 | 91.3 | 91.4 | 90.8 | 93.2 | 94.4 | 99.2 | 107.1 | 107.1 | 108.9 | 141.8 | | | | | | | |
| 200 | 86.5 | 87.0 | 88.3 | 90.1 | 90.4 | 92.0 | 93.7 | 95.8 | 98.5 | 102.6 | 107.1 | 111.5 | 113.3 | 145.3 | | | | | | | |
| 250 | 84.8 | 88.6 | 90.3 | 90.9 | 91.5 | 92.3 | 95.0 | 97.1 | 99.3 | 103.7 | 110.6 | 113.8 | 114.6 | 147.3 | | | | | | | |
| 315 | 86.9 | 91.4 | 89.9 | 91.7 | 93.8 | 94.9 | 96.1 | 98.0 | 100.7 | 106.8 | 112.7 | 116.4 | 116.4 | 149.6 | | | | | | | |
| 400 | 89.2 | 90.5 | 92.0 | 92.5 | 93.6 | 94.7 | 95.8 | 99.0 | 102.2 | 109.5 | 118.0 | 117.9 | 116.5 | 151.3 | | | | | | | |
| 500 | 90.0 | 90.3 | 91.8 | 92.6 | 93.9 | 95.8 | 97.4 | 99.6 | 103.5 | 110.4 | 115.8 | 118.8 | 116.8 | 151.8 | | | | | | | |
| 630 | 91.1 | 92.6 | 93.4 | 94.4 | 95.3 | 96.9 | 98.5 | 101.2 | 104.9 | 111.0 | 116.7 | 119.6 | 117.9 | 152.7 | | | | | | | |
| 800 | 93.9 | 93.9 | 94.7 | 96.0 | 96.8 | 98.2 | 99.5 | 102.2 | 106.9 | 111.5 | 117.2 | 120.6 | 118.7 | 153.5 | | | | | | | |
| 1000 | 96.5 | 97.0 | 97.2 | 97.5 | 97.9 | 99.0 | 101.1 | 103.8 | 107.0 | 111.3 | 116.8 | 120.2 | 119.0 | 153.4 | | | | | | | |
| 1250 | 97.0 | 98.3 | 98.6 | 98.4 | 99.0 | 100.6 | 101.5 | 104.6 | 108.1 | 111.7 | 116.9 | 120.8 | 118.1 | 153.6 | | | | | | | |
| 1600 | 101.6 | 99.9 | 98.4 | 98.5 | 99.1 | 100.7 | 101.6 | 104.2 | 108.7 | 111.8 | 116.7 | 120.4 | 117.2 | 152.9 | | | | | | | |
| 2000 | 102.7 | 101.7 | 102.2 | 101.0 | 100.6 | 100.2 | 102.6 | 105.5 | 108.7 | 111.6 | 117.3 | 119.2 | 114.5 | 152.1 | | | | | | | |
| 2500 | 100.5 | 101.8 | 102.6 | 102.9 | 102.7 | 102.1 | 103.5 | 105.9 | 109.9 | 111.2 | 117.1 | 116.8 | 111.3 | 151.8 | | | | | | | |
| 3150 | 99.8 | 100.8 | 101.3 | 102.1 | 103.2 | 103.8 | 103.5 | 105.9 | 109.6 | 111.7 | 117.1 | 115.3 | 110.6 | 150.7 | | | | | | | |
| 4000 | 98.5 | 99.6 | 100.4 | 100.9 | 101.7 | 102.6 | 104.5 | 106.9 | 108.9 | 111.7 | 115.2 | 113.3 | 108.3 | 149.8 | | | | | | | |
| 5000 | 97.4 | 98.7 | 100.3 | 101.5 | 101.4 | 102.7 | 104.1 | 107.0 | 108.8 | 111.4 | 113.6 | 111.2 | 107.2 | 149.7 | | | | | | | |
| 6300 | 96.0 | 97.8 | 99.4 | 100.6 | 102.7 | 103.6 | 104.9 | 107.1 | 109.4 | 110.7 | 112.7 | 110.8 | 106.3 | 149.2 | | | | | | | |
| 8000 | 94.5 | 96.1 | 97.7 | 100.2 | 101.8 | 103.6 | 105.3 | 106.9 | 109.2 | 110.3 | 111.2 | 109.4 | 105.4 | 148.4 | | | | | | | |
| 10000 | 92.4 | 96.1 | 97.4 | 98.9 | 101.4 | 101.6 | 104.2 | 105.9 | 108.1 | 109.6 | 109.5 | 108.3 | 104.6 | 146.8 | | | | | | | |
| 12500 | 90.1 | 93.6 | 95.7 | 97.4 | 99.5 | 100.9 | 102.7 | 103.8 | 106.2 | 106.7 | 107.1 | 106.4 | 103.4 | 146.1 | | | | | | | |
| 16000 | 88.4 | 91.7 | 93.9 | 96.6 | 98.3 | 99.4 | 101.8 | 101.9 | 104.4 | 105.1 | 105.8 | 104.8 | 101.9 | 144.0 | | | | | | | |
| 20000 | 86.1 | 89.0 | 91.6 | 93.2 | 96.5 | 96.6 | 99.7 | 98.5 | 101.4 | 100.7 | 102.3 | 101.7 | 98.6 | 142.6 | | | | | | | |
| 25000 | 83.5 | 86.3 | 88.2 | 90.5 | 92.7 | 92.9 | 95.0 | 95.4 | 99.0 | 97.6 | 101.2 | 98.0 | 95.3 | 142.3 | | | | | | | |
| 31500 | 81.3 | 84.4 | 87.1 | 88.6 | 90.6 | 90.8 | 93.2 | 92.6 | 95.7 | 94.8 | 98.5 | 97.3 | 92.3 | 142.5 | | | | | | | |
| 40000 | 78.0 | 80.9 | 84.1 | 84.8 | 85.6 | 86.4 | 88.9 | 88.3 | 92.4 | 93.5 | 96.1 | 94.6 | 89.2 | 141.8 | | | | | | | |
| 50000 | 74.3 | 76.5 | 80.5 | 79.8 | 79.6 | 79.9 | 81.7 | 85.3 | 88.9 | 93.2 | 87.1 | 83.2 | 78.3 | 143.1 | | | | | | | |
| 63000 | 70.2 | 72.0 | 77.2 | 75.6 | 74.6 | 74.5 | 75.1 | 75.4 | 80.3 | 84.5 | 88.0 | 82.1 | 74.9 | 148.9 | | | | | | | |
| 80000 | 68.0 | 70.5 | 76.6 | 73.1 | 72.0 | 72.1 | 73.5 | 69.1 | 74.6 | 80.3 | 84.8 | 77.0 | 74.9 | 164.5 | | | | | | | |
| OVERALL MEASURED | | 109.8 | 110.5 | 111.3 | 112.0 | 113.0 | 113.8 | 115.3 | 117.5 | 120.4 | 123.3 | 128.0 | 127.9 | | | | | | | | |
| OVERALL CALCULATED | | 122.5 | 123.6 | 124.3 | 125.0 | 125.9 | 126.7 | 127.8 | 130.2 | 133.0 | 135.7 | 140.5 | 137.7 | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 545 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-190cm²(29.4in²)

FULL SIZE SOUND PROGRAM

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 5 | 545 | 45.7m(150ft.) ARC |

SIZE
FULL-.33m²(513in²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 5 | 545 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 8 DAY 25 HR. 21.8
 ANGLES FROM INLET IN DEGREES (AND RADIAN) 0. 0. 3. 9. PUL
 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 3. 9. PUL
 FREQ. (0.70)(0.37)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) (0.)

| RDG. NO. | NO EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 3. | 9. | PUL |
|--|--------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|-----|
| 100 | 82.1 | 90.9 | 88.2 | 90.0 | 91.3 | 90.9 | 91.5 | 92.0 | 93.2 | 94.7 | 98.4 | 98.6 | 101.4 | 136.1 | | | | |
| 125 | 80.6 | 85.6 | 86.1 | 88.7 | 90.0 | 91.9 | 92.5 | 93.7 | 92.1 | 91.2 | 99.6 | 102.1 | 102.6 | 137.0 | | | | |
| 160 | 80.6 | 82.9 | 87.2 | 87.2 | 87.8 | 87.9 | 87.5 | 90.2 | 91.2 | 96.2 | 101.4 | 102.9 | 104.9 | 137.9 | | | | |
| 200 | 83.0 | 83.8 | 85.0 | 87.1 | 87.9 | 88.8 | 90.7 | 92.6 | 95.3 | 99.4 | 103.1 | 107.5 | 108.8 | 141.3 | | | | |
| 250 | 82.6 | 85.3 | 86.8 | 87.4 | 88.2 | 89.6 | 92.2 | 93.9 | 96.6 | 100.9 | 107.4 | 109.8 | 110.3 | 143.6 | | | | |
| 315 | 83.9 | 88.2 | 86.4 | 88.5 | 90.8 | 91.9 | 93.1 | 95.0 | 97.7 | 102.8 | 108.7 | 112.1 | 111.4 | 145.3 | | | | |
| 400 | 85.9 | 87.0 | 89.2 | 89.8 | 90.6 | 91.7 | 93.3 | 96.3 | 99.5 | 105.0 | 111.2 | 112.9 | 111.7 | 146.6 | | | | |
| 500 | 86.8 | 87.5 | 88.8 | 90.1 | 91.4 | 93.3 | 94.4 | 96.3 | 100.5 | 106.4 | 111.1 | 113.0 | 111.8 | 146.8 | | | | |
| 630 | 87.9 | 88.9 | 89.6 | 91.4 | 92.8 | 93.6 | 95.8 | 98.2 | 101.6 | 106.7 | 110.7 | 112.9 | 111.1 | 146.7 | | | | |
| 800 | 88.9 | 90.4 | 90.9 | 92.7 | 93.5 | 95.7 | 96.8 | 99.5 | 103.7 | 107.5 | 110.2 | 112.4 | 111.2 | 146.7 | | | | |
| 1000 | 91.0 | 92.2 | 92.5 | 93.3 | 94.4 | 96.2 | 97.6 | 100.3 | 104.0 | 107.6 | 109.3 | 110.2 | 110.7 | 146.0 | | | | |
| 1250 | 90.8 | 91.8 | 94.3 | 94.1 | 94.7 | 97.1 | 97.7 | 100.9 | 104.6 | 108.4 | 108.6 | 110.8 | 110.6 | 146.3 | | | | |
| 1600 | 91.1 | 93.2 | 92.9 | 94.7 | 95.6 | 97.4 | 98.6 | 100.7 | 105.4 | 107.8 | 108.7 | 112.2 | 111.2 | 146.8 | | | | |
| 2000 | 91.9 | 92.7 | 94.5 | 94.5 | 96.6 | 97.5 | 99.4 | 102.3 | 105.5 | 108.1 | 108.5 | 113.2 | 111.5 | 147.3 | | | | |
| 2500 | 91.8 | 93.3 | 94.4 | 95.6 | 96.2 | 97.6 | 100.5 | 102.6 | 105.9 | 107.7 | 109.1 | 112.8 | 110.1 | 147.2 | | | | |
| 3150 | 91.8 | 93.6 | 94.6 | 95.1 | 97.2 | 98.1 | 99.7 | 103.4 | 106.1 | 108.2 | 110.6 | 113.3 | 108.8 | 147.7 | | | | |
| 4000 | 91.0 | 92.8 | 94.1 | 95.2 | 96.2 | 97.6 | 99.5 | 103.7 | 105.6 | 108.0 | 109.9 | 111.1 | 106.3 | 146.7 | | | | |
| 5000 | 90.4 | 93.0 | 94.5 | 95.5 | 96.1 | 98.0 | 99.9 | 103.5 | 105.5 | 108.9 | 109.3 | 109.2 | 105.0 | 146.0 | | | | |
| 6300 | 89.7 | 92.8 | 94.1 | 95.4 | 96.9 | 98.6 | 100.9 | 103.4 | 105.6 | 108.0 | 107.9 | 108.8 | 104.6 | 145.7 | | | | |
| 8000 | 88.8 | 91.9 | 93.7 | 95.7 | 97.0 | 98.4 | 100.5 | 102.9 | 104.9 | 106.1 | 106.7 | 107.1 | 103.9 | 145.2 | | | | |
| 10000 | 86.7 | 90.3 | 92.9 | 94.9 | 97.2 | 97.3 | 99.7 | 102.1 | 104.1 | 104.6 | 105.0 | 106.3 | 103.3 | 144.5 | | | | |
| 12500 | 84.6 | 87.9 | 90.0 | 92.7 | 95.5 | 95.6 | 99.0 | 100.1 | 101.7 | 101.4 | 102.8 | 105.1 | 101.6 | 143.0 | | | | |
| 16000 | 82.2 | 85.7 | 88.1 | 91.3 | 94.1 | 94.2 | 97.6 | 97.9 | 100.1 | 99.4 | 100.5 | 103.3 | 100.4 | 142.0 | | | | |
| 20000 | 79.1 | 82.5 | 85.3 | 87.7 | 91.7 | 91.6 | 95.7 | 94.3 | 96.9 | 95.9 | 97.5 | 99.2 | 96.8 | 139.8 | | | | |
| 25000 | 76.0 | 79.5 | 81.7 | 84.5 | 87.2 | 87.7 | 90.0 | 91.4 | 94.5 | 92.1 | 95.4 | 94.5 | 93.6 | 137.8 | | | | |
| 31500 | 73.1 | 77.2 | 80.1 | 82.8 | 84.8 | 84.8 | 88.5 | 88.1 | 90.7 | 88.5 | 92.2 | 94.6 | 90.8 | 137.4 | | | | |
| 40000 | 69.0 | 72.7 | 76.6 | 77.8 | 79.6 | 79.9 | 84.4 | 83.3 | 86.4 | 86.0 | 89.1 | 90.4 | 85.9 | 136.6 | | | | |
| 50000 | 64.5 | 68.0 | 72.0 | 72.5 | 72.1 | 72.9 | 78.4 | 75.9 | 79.8 | 80.6 | 84.9 | 83.9 | 80.5 | 135.2 | | | | |
| 63000 | 60.4 | 62.8 | 67.5 | 66.4 | 65.8 | 66.3 | 72.8 | 69.6 | 73.0 | 75.2 | 79.0 | 76.8 | 75.3 | 135.4 | | | | |
| 80000 | 58.0 | 60.5 | 66.8 | 63.6 | 62.5 | 62.6 | 72.5 | 64.8 | 68.4 | 72.3 | 73.3 | 73.5 | 73.4 | 141.4 | | | | |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | | |
| PNOB 102.2 104.4 105.6 106.8 108.3 109.5 111.5 114.0 116.8 119.3 121.8 124.1 122.6 | | | | | | | | | | | | | | | | | | |
| PNOB 115.2 117.2 118.4 119.3 120.8 122.0 123.7 126.9 129.5 131.9 134.4 136.7 133.9 | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 546 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-190cm²(29.4in²)

FULL SCALE DATA REDUCTION PROGRAM

| PROC. DATE - MONTH 8 DAY 27 HR. 11.9 | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 |
| 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 |
| 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 |
| 300 | 310 | 320 | 330 | 340 | 350 | 360 | 370 | 380 | 390 |
| 400 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 | 490 |
| 500 | 510 | 520 | 530 | 540 | 550 | 560 | 570 | 580 | 590 |
| 600 | 610 | 620 | 630 | 640 | 650 | 660 | 670 | 680 | 690 |
| 700 | 710 | 720 | 730 | 740 | 750 | 760 | 770 | 780 | 790 |
| 800 | 810 | 820 | 830 | 840 | 850 | 860 | 870 | 880 | 890 |
| 900 | 910 | 920 | 930 | 940 | 950 | 960 | 970 | 980 | 990 |
| 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 |
| 1100 | 1110 | 1120 | 1130 | 1140 | 1150 | 1160 | 1170 | 1180 | 1190 |
| 1200 | 1210 | 1220 | 1230 | 1240 | 1250 | 1260 | 1270 | 1280 | 1290 |
| 1300 | 1310 | 1320 | 1330 | 1340 | 1350 | 1360 | 1370 | 1380 | 1390 |
| 1400 | 1410 | 1420 | 1430 | 1440 | 1450 | 1460 | 1470 | 1480 | 1490 |
| 1500 | 1510 | 1520 | 1530 | 1540 | 1550 | 1560 | 1570 | 1580 | 1590 |
| 1600 | 1610 | 1620 | 1630 | 1640 | 1650 | 1660 | 1670 | 1680 | 1690 |
| 1700 | 1710 | 1720 | 1730 | 1740 | 1750 | 1760 | 1770 | 1780 | 1790 |
| 1800 | 1810 | 1820 | 1830 | 1840 | 1850 | 1860 | 1870 | 1880 | 1890 |
| 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 |
| 2000 | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 | 2070 | 2080 | 2090 |
| 2100 | 2110 | 2120 | 2130 | 2140 | 2150 | 2160 | 2170 | 2180 | 2190 |
| 2200 | 2210 | 2220 | 2230 | 2240 | 2250 | 2260 | 2270 | 2280 | 2290 |
| 2300 | 2310 | 2320 | 2330 | 2340 | 2350 | 2360 | 2370 | 2380 | 2390 |
| 2400 | 2410 | 2420 | 2430 | 2440 | 2450 | 2460 | 2470 | 2480 | 2490 |
| 2500 | 2510 | 2520 | 2530 | 2540 | 2550 | 2560 | 2570 | 2580 | 2590 |
| 2600 | 2610 | 2620 | 2630 | 2640 | 2650 | 2660 | 2670 | 2680 | 2690 |
| 2700 | 2710 | 2720 | 2730 | 2740 | 2750 | 2760 | 2770 | 2780 | 2790 |
| 2800 | 2810 | 2820 | 2830 | 2840 | 2850 | 2860 | 2870 | 2880 | 2890 |
| 2900 | 2910 | 2920 | 2930 | 2940 | 2950 | 2960 | 2970 | 2980 | 2990 |
| 3000 | 3010 | 3020 | 3030 | 3040 | 3050 | 3060 | 3070 | 3080 | 3090 |
| 3100 | 3110 | 3120 | 3130 | 3140 | 3150 | 3160 | 3170 | 3180 | 3190 |
| 3200 | 3210 | 3220 | 3230 | 3240 | 3250 | 3260 | 3270 | 3280 | 3290 |
| 3300 | 3310 | 3320 | 3330 | 3340 | 3350 | 3360 | 3370 | 3380 | 3390 |
| 3400 | 3410 | 3420 | 3430 | 3440 | 3450 | 3460 | 3470 | 3480 | 3490 |
| 3500 | 3510 | 3520 | 3530 | 3540 | 3550 | 3560 | 3570 | 3580 | 3590 |
| 3600 | 3610 | 3620 | 3630 | 3640 | 3650 | 3660 | 3670 | 3680 | 3690 |
| 3700 | 3710 | 3720 | 3730 | 3740 | 3750 | 3760 | 3770 | 3780 | 3790 |
| 3800 | 3810 | 3820 | 3830 | 3840 | 3850 | 3860 | 3870 | 3880 | 3890 |
| 3900 | 3910 | 3920 | 3930 | 3940 | 3950 | 3960 | 3970 | 3980 | 3990 |
| 4000 | 4010 | 4020 | 4030 | 4040 | 4050 | 4060 | 4070 | 4080 | 4090 |
| 4100 | 4110 | 4120 | 4130 | 4140 | 4150 | 4160 | 4170 | 4180 | 4190 |
| 4200 | 4210 | 4220 | 4230 | 4240 | 4250 | 4260 | 4270 | 4280 | 4290 |
| 4300 | 4310 | 4320 | 4330 | 4340 | 4350 | 4360 | 4370 | 4380 | 4390 |
| 4400 | 4410 | 4420 | 4430 | 4440 | 4450 | 4460 | 4470 | 4480 | 4490 |
| 4500 | 4510 | 4520 | 4530 | 4540 | 4550 | 4560 | 4570 | 4580 | 4590 |
| 4600 | 4610 | 4620 | 4630 | 4640 | 4650 | 4660 | 4670 | 4680 | 4690 |
| 4700 | 4710 | 4720 | 4730 | 4740 | 4750 | 4760 | 4770 | 4780 | 4790 |
| 4800 | 4810 | 4820 | 4830 | 4840 | 4850 | 4860 | 4870 | 4880 | 4890 |
| 4900 | 4910 | 4920 | 4930 | 4940 | 4950 | 4960 | 4970 | 4980 | 4990 |
| 5000 | 5010 | 5020 | 5030 | 5040 | 5050 | 5060 | 5070 | 5080 | 5090 |
| 5100 | 5110 | 5120 | 5130 | 5140 | 5150 | 5160 | 5170 | 5180 | 5190 |
| 5200 | 5210 | 5220 | 5230 | 5240 | 5250 | 5260 | 5270 | 5280 | 5290 |
| 5300 | 5310 | 5320 | 5330 | 5340 | 5350 | 5360 | 5370 | 5380 | 5390 |
| 5400 | 5410 | 5420 | 5430 | 5440 | 5450 | 5460 | 5470 | 5480 | 5490 |
| 5500 | 5510 | 5520 | 5530 | 5540 | 5550 | 5560 | 5570 | 5580 | 5590 |
| 5600 | 5610 | 5620 | 5630 | 5640 | 5650 | 5660 | 5670 | 5680 | 5690 |
| 5700 | 5710 | 5720 | 5730 | 5740 | 5750 | 5760 | 5770 | 5780 | 5790 |
| 5800 | 5810 | 5820 | 5830 | 5840 | 5850 | 5860 | 5870 | 5880 | 5890 |
| 5900 | 5910 | 5920 | 5930 | 5940 | 5950 | 5960 | 5970 | 5980 | 5990 |
| 6000 | 6010 | 6020 | 6030 | 6040 | 6050 | 6060 | 6070 | 6080 | 6090 |
| 6100 | 6110 | 6120 | 6130 | 6140 | 6150 | 6160 | 6170 | 6180 | 6190 |
| 6200 | 6210 | 6220 | 6230 | 6240 | 6250 | 6260 | 6270 | 6280 | 6290 |
| 6300 | 6310 | 6320 | 6330 | 6340 | 6350 | 6360 | 6370 | 6380 | 6390 |
| 6400 | 6410 | 6420 | 6430 | 6440 | 6450 | 6460 | 6470 | 6480 | 6490 |
| 6500 | 6510 | 6520 | 6530 | 6540 | 6550 | 6560 | 6570 | 6580 | 6590 |
| 6600 | 6610 | 6620 | 6630 | 6640 | 6650 | 6660 | 6670 | 6680 | 6690 |
| 6700 | 6710 | 6720 | 6730 | 6740 | 6750 | 6760 | 6770 | 6780 | 6790 |
| 6800 | 6810 | 6820 | 6830 | 6840 | 6850 | 6860 | 6870 | 6880 | 6890 |
| 6900 | 6910 | 6920 | 6930 | 6940 | 6950 | 6960 | 6970 | 6980 | 6990 |
| 7000 | 7010 | 7020 | 7030 | 7040 | 7050 | 7060 | 7070 | 7080 | 7090 |
| 7100 | 7110 | 7120 | 7130 | 7140 | 7150 | 7160 | 7170 | 7180 | 7190 |
| 7200 | 7210 | 7220 | 7230 | 7240 | 7250 | 7260 | 7270 | 7280 | 7290 |
| 7300 | 7310 | 7320 | 7330 | 7340 | 7350 | 7360 | 7370 | 7380 | 7390 |
| 7400 | 7410 | 7420 | 7430 | 7440 | 7450 | 7460 | 7470 | 7480 | 7490 |
| 7500 | 7510 | 7520 | 7530 | 7540 | 7550 | 7560 | 7570 | 7580 | 7590 |
| 7600 | 7610 | 7620 | 7630 | 7640 | 7650 | 7660 | 7670 | 7680 | 7690 |
| 7700 | 7710 | 7720 | 7730 | 7740 | 7750 | 7760 | 7770 | 7780 | 7790 |
| 7800 | 7810 | 7820 | 7830 | 7840 | 7850 | 7860 | 7870 | 7880 | 7890 |
| 7900 | 7910 | 7920 | 7930 | 7940 | 7950 | 7960 | 7970 | 7980 | 7990 |
| 8000 | 8010 | 8020 | 8030 | 8040 | 8050 | 8060 | 8070 | 8080 | 8090 |
| 8100 | 8110 | 8120 | 8130 | 8140 | 8150 | 8160 | 8170 | 8180 | 8190 |
| 8200 | 8210 | 8220 | 8230 | 8240 | 8250 | 8260 | 8270 | 8280 | 8290 |
| 8300 | 8310 | 8320 | 8330 | 8340 | 8350 | 8360 | 8370 | 8380 | 8390 |
| 8400 | 8410 | 8420 | 8430 | 8440 | 8450 | 8460 | 8470 | 8480 | 8490 |
| 8500 | 8510 | 8520 | 8530 | 8540 | 8550 | 8560 | 8570 | 8580 | 8590 |
| 8600 | 8610 | 8620 | 8630 | 8640 | 8650 | 8660 | 8670 | 8680 | 8690 |
| 8700 | 8710 | 8720 | 8730 | 8740 | 8750 | 8760 | 8770 | 8780 | 8790 |
| 8800 | 8810 | 8820 | 8830 | 8840 | 8850 | 8860 | 8870 | 8880 | 8890 |
| 8900 | 8910 | 8920 | 8930 | 8940 | 8950 | 8960 | 8970 | 8980 | 8990 |
| 9000 | 9010 | 9020 | 9030 | 9040 | 9050 | 9060 | 9070 | 9080 | 9090 |
| 9100 | 9110 | 9120 | 9130 | 9140 | 9150 | 9160 | 9170 | 9180 | 9190 |
| 9200 | 9210 | 9220 | 9230 | 9240 | 9250 | 9260 | 9270 | 9280 | 9290 |
| 9300 | 9310 | 9320 | 9330 | 9340 | 9350 | 9360 | 9370 | 9380 | 9390 |
| 9400 | 9410 | 9420 | 9430 | 9440 | 9450 | 9460 | 9470 | 9480 | 9490 |
| 9500 | 9510 | 9520 | 9530 | 9540 | 9550 | 9560 | 9570 | 9580 | 9590 |
| 9600 | 9610 | 9620 | 9630 | 9640 | 9650 | 9660 | 9670 | 9680 | 9690 |
| 9700 | 9710 | 9720 | 9730 | 9740 | 9750 | 9760 | 9770 | 9780 | 9790 |
| 9800 | 9810 | 9820 | 9830 | 9840 | 9850 | 9860 | 9870 | 9880 | 9890 |
| 9900 | 9910 | 9920 | 9930 | 9940 | 9950 | 9960 | 9970 | 9980 | 9990 |
| 10000 | 10010 | 10020 | 10030 | 10040 | 10050 | 10060 | 10070 | 10080 | 10090 |
| 10100 | 10110 | 10120 | 10130 | 10140 | 10150 | 10160 | 10170 | 10180 | 10190 |
| 10200 | 10210 | 10220 | 10230 | 10240 | 10250 | 10260 | 10270 | 10280 | 10290 |
| 10300 | 10310 | 10320 | 10330 | 10340 | 10350 | 10360 | 10370 | 10380 | 10390 |
| 10400 | 10410 | 10420 | 10430 | 10440 | 10450 | 10460 | 10470 | 10480 | 10490 |
| 10500 | 10510 | 10520 | 10530 | 10540 | 10550 | 10560 | 10570 | 10580 | 10590 |
| 10600 | 10610 | 10620 | 10630 | 10640 | 10650 | 10660 | 10670 | 10680 | 10690 |
| 10700 | 10710 | 10720 | 10730 | 10740 | 10750 | 10760 | 10770 | 10780 | 10790 |
| 10800 | 10810 | 10820 | 10830 | 10840 | 10850 | 10860 | 10870 | 10880 | 10890 |
| 10900 | 10910 | 10920 | 10930 | 10940 | 10950 | 10960 | 10970 | 10980 | 10990 |
| 11000 | 11010 | 11020 | 11030 | 11040 | 11050 | 11060 | 11070 | 11080 | 11090 |
| 11100 | 11110 | 11120 | 11130 | 11140 | 11150 | 11160 | 11170 | 11180 | 11190 |
| 11200 | 11210 | 11220 | 11230 | 11240 | 11250 | 11260 | 11270 | 11280 | 11290 |
| 11300 | 11310 | 11320 | 11330 | 11340 | 11350 | 11360 | 11370 | 11380 | 11390 |
| 11400 | 11410 | 11420 | 11430 | 11440 | 11450 | 11460 | 11470 | 11480 | 11490 |
| 11500 | 11510 | 11520 | 11530 | 11540 | 11550 | 11560 | 11570 | 11580 | 11590 |
| 11600 | 11610 | 11620 | 11630 | 11640 | 11650 | 11660 | 11670 | 11680 | 11690 |
| 11700 | 11710 | 11720 | 11730 | 11740 | 11750 | 11760 | 11770 | 11780 | 11790 |
| 11800 | 11810 | 11820 | 11830 | 11840 | 11850 | 11860 | 11870 | 11880 | 11890 |
| 11900 | 11910 | 11920 | 11930 | 11940 | 11950 | 11960 | 11970 | 11980 | 11990 |
| 12000 | 12010 | 12020 | 12030 | 12040 | 12050 | 12060 | 12070 | 12080 | 12090 |

PROC. DATE - MONTH 8 DAY 27 HR. 12.2
 ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 DEGREES (AND RADIANS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | |
|--------------------|----------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|--|--|--|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | | | | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | | | |
| NO EGA | RDG. NO. | 50 | 87.2 | 88.5 | 89.7 | 91.8 | 92.6 | 93.7 | 95.6 | 97.8 | 103.2 | 104.3 | 108.8 | 113.4 | 114.7 | 158.6 | | | | | |
| 0. | | 63 | 86.8 | 90.8 | 92.0 | 92.6 | 93.4 | 94.5 | 97.2 | 99.3 | 103.5 | 105.8 | 112.8 | 115.7 | 116.3 | 160.8 | | | | | |
| RADIAL 150. FT. | | 80 | 88.9 | 92.9 | 91.1 | 93.7 | 95.5 | 96.9 | 98.3 | 100.7 | 105.1 | 108.7 | 114.9 | 118.3 | 118.4 | 163.1 | | | | | |
| (46. M) | | 100 | 91.1 | 92.4 | 93.9 | 94.2 | 95.3 | 96.7 | 98.0 | 101.2 | 106.4 | 111.0 | 117.4 | 119.4 | 118.2 | 164.3 | | | | | |
| VEHICLE | | 125 | 91.5 | 92.5 | 93.5 | 94.5 | 95.9 | 97.5 | 99.4 | 102.3 | 107.0 | 112.8 | 118.3 | 120.2 | 118.7 | 165.2 | | | | | |
| CELL41 | | 160 | 92.8 | 94.3 | 94.6 | 96.1 | 97.5 | 98.6 | 101.0 | 103.4 | 108.6 | 113.2 | 117.9 | 120.8 | 119.6 | 165.6 | | | | | |
| CONFIG | | 200 | 94.6 | 95.9 | 95.9 | 97.4 | 98.7 | 99.6 | 101.7 | 104.6 | 109.6 | 114.2 | 118.1 | 121.1 | 120.4 | 166.1 | | | | | |
| LOC C41 ANECH CH | | 250 | 97.4 | 98.7 | 98.7 | 99.2 | 99.8 | 100.4 | 103.1 | 106.0 | 110.2 | 114.0 | 118.0 | 120.4 | 120.4 | 166.0 | | | | | |
| DATE 06-14-76 | | 315 | 98.2 | 99.3 | 100.5 | 100.1 | 100.9 | 102.8 | 103.9 | 107.1 | 111.5 | 114.4 | 118.3 | 122.2 | 120.3 | 166.9 | | | | | |
| RUN CONF5HGHFLW | | 400 | 105.1 | 104.4 | 101.1 | 101.2 | 101.5 | 102.9 | 104.5 | 106.9 | 112.1 | 114.7 | 119.2 | 122.6 | 119.4 | 167.2 | | | | | |
| TAPE | | 500 | 107.1 | 105.7 | 104.9 | 103.5 | 102.3 | 102.9 | 105.1 | 108.0 | 111.9 | 115.0 | 120.0 | 121.1 | 116.7 | 168.1 | | | | | |
| BAR 29.2 HG | | 630 | 105.5 | 105.8 | 106.6 | 106.6 | 106.4 | 104.3 | 105.2 | 108.1 | 112.6 | 114.6 | 120.1 | 119.0 | 113.8 | 168.8 | | | | | |
| (98739. N/M2) | | 800 | 104.0 | 104.8 | 104.8 | 106.8 | 107.9 | 106.8 | 106.7 | 109.3 | 112.6 | 116.2 | 120.4 | 117.0 | 113.0 | 166.3 | | | | | |
| TAMB 75. DEG F | | 1000 | 103.6 | 103.9 | 104.4 | 104.2 | 105.3 | 106.6 | 107.8 | 110.2 | 112.1 | 116.0 | 117.7 | 115.8 | 110.4 | 166.4 | | | | | |
| (297. DEG K) | | 1250 | 102.2 | 103.2 | 104.0 | 105.8 | 105.1 | 105.7 | 108.1 | 110.3 | 112.5 | 115.1 | 117.1 | 114.7 | 110.2 | 165.2 | | | | | |
| TWET 68. DEG F | | 1600 | 101.6 | 102.9 | 103.7 | 104.4 | 106.3 | 106.9 | 108.8 | 110.9 | 112.9 | 114.5 | 115.7 | 114.6 | 109.1 | 164.8 | | | | | |
| (293. DEG K) | | 2000 | 101.0 | 102.1 | 102.6 | 104.6 | 105.5 | 106.6 | 109.0 | 110.9 | 112.6 | 115.0 | 114.7 | 113.8 | 108.1 | 164.6 | | | | | |
| HACT15.04 GN/M3 | | 2500 | 99.3 | 101.9 | 102.3 | 104.3 | 105.8 | 105.7 | 108.3 | 110.3 | 112.0 | 113.7 | 113.1 | 113.2 | 107.4 | 164.3 | | | | | |
| (.01504 KG/M3) | | 3150 | 97.2 | 99.7 | 101.6 | 103.8 | 105.1 | 104.7 | 107.9 | 108.7 | 110.1 | 111.5 | 111.7 | 112.2 | 106.2 | 163.6 | | | | | |
| FREQ. SHIFT | | 4000 | 96.2 | 98.7 | 100.1 | 102.8 | 104.6 | 104.7 | 107.4 | 107.9 | 109.6 | 109.9 | 110.5 | 111.8 | 105.2 | 162.4 | | | | | |
| JET | | 5000 | 94.2 | 96.8 | 98.4 | 101.0 | 104.0 | 103.1 | 106.0 | 107.2 | 107.7 | 107.8 | 108.7 | 104.6 | 161.9 | | | | | | |
| DIAMETER RATIO | | 6300 | 91.9 | 94.9 | 96.3 | 98.1 | 100.9 | 101.3 | 102.1 | 102.5 | 106.3 | 106.2 | 107.5 | 103.9 | 159.9 | | | | | | |
| DF/DM 4.18 | | 8000 | 90.9 | 94.5 | 96.1 | 98.4 | 100.6 | 99.8 | 102.8 | 101.6 | 103.9 | 105.0 | 105.9 | 106.4 | 158.4 | | | | | | |
| | | 10000 | 88.0 | 91.5 | 94.9 | 96.2 | 97.3 | 97.3 | 100.0 | 99.2 | 102.2 | 104.5 | 105.8 | 104.5 | 158.5 | | | | | | |
| | | 12500 | 84.8 | 87.9 | 92.1 | 92.9 | 92.3 | 92.6 | 94.6 | 95.3 | 99.4 | 102.1 | 105.5 | 101.0 | 153.2 | | | | | | |
| | | 16000 | 83.0 | 85.5 | 90.5 | 89.8 | 89.3 | 90.2 | 90.5 | 93.0 | 97.3 | 100.6 | 105.2 | 97.9 | 152.4 | | | | | | |
| | | 20000 | 85.2 | 87.7 | 93.8 | 91.2 | 90.2 | 91.1 | 92.2 | 93.9 | 99.6 | 104.5 | 108.6 | 100.1 | 150.0 | | | | | | |
| OVERALL CALCULATED | | 114.1 | 114.6 | 115.0 | 116.0 | 116.9 | 117.1 | 119.0 | 120.9 | 124.0 | 126.8 | 130.4 | 131.7 | 129.7 | 165.9 | | | | | | |
| | | PNDB | 124.0 | 125.8 | 126.5 | 128.2 | 129.4 | 129.4 | 131.9 | 133.4 | 135.9 | 138.0 | 139.5 | 140.0 | 178.5 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 5 | 549 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

| | OVERALL | CALCULATED | 2000 |
|------|---------|------------|------|
| PN08 | 88.4 | 90.9 | 84.4 |
| | 85.8 | 92.9 | 87.2 |
| | 88.3 | 95.0 | 88.8 |
| | 96.7 | 97.4 | 90.2 |
| | 100.7 | 99.3 | 92.3 |
| | 102.4 | 103.2 | 95.2 |
| | 104.6 | 103.2 | 97.2 |
| | 103.1 | 104.6 | 99.8 |
| | 95.5 | 95.5 | 93.9 |
| | 93.9 | 93.9 | 99.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 5 | 547 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PRJC. DATE - MONTH 8 DAY 27 HR. 11.9
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANIS)

| RDG. NO. | NO. EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------------------|---------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RADIAL (12. M) | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3) | | | | | | | | | | | | | |
| VEHICLE CELL41 | 100 | 87.1 | 95.9 | 93.4 | 95.5 | 96.5 | 95.7 | 97.5 | 98.5 | 101.4 | 99.0 | 102.9 | 103.6 | 107.2 | 141.6 |
| CONFIG NC56 | 125 | 85.3 | 89.9 | 90.4 | 93.4 | 95.5 | 97.1 | 98.2 | 98.9 | 100.1 | 95.9 | 105.6 | 107.6 | 108.1 | 142.6 |
| LOC C41 ANECHO CH | 160 | 84.9 | 87.9 | 92.2 | 92.0 | 92.3 | 92.4 | 93.0 | 95.0 | 99.9 | 101.0 | 106.9 | 108.4 | 110.9 | 143.5 |
| DATE 06-14-76 | 200 | 87.0 | 88.0 | 89.5 | 91.3 | 92.2 | 93.3 | 95.4 | 97.8 | 102.3 | 103.9 | 109.1 | 113.3 | 114.8 | 147.0 |
| RUN CONFESHIGHFLN | 250 | 86.1 | 89.6 | 91.3 | 91.9 | 93.2 | 94.3 | 97.0 | 98.9 | 102.8 | 105.9 | 112.9 | 115.5 | 116.6 | 149.3 |
| TAPE X05480 | 315 | 87.9 | 92.7 | 90.9 | 93.0 | 95.3 | 95.9 | 97.6 | 100.2 | 103.9 | 108.6 | 114.7 | 117.9 | 118.2 | 151.3 |
| BAR 29.3 HG | 400 | 90.7 | 91.7 | 93.5 | 93.8 | 94.8 | 96.0 | 97.6 | 100.8 | 105.7 | 111.0 | 117.5 | 119.7 | 118.5 | 153.0 |
| (98773. N/M2) | 500 | 91.3 | 92.5 | 92.8 | 93.8 | 95.9 | 97.3 | 99.4 | 101.8 | 106.5 | 112.9 | 118.3 | 120.8 | 118.8 | 153.9 |
| TAMB 75. DEG F | 630 | 92.1 | 93.6 | 94.4 | 95.7 | 97.0 | 98.4 | 100.8 | 103.2 | 108.4 | 113.5 | 119.2 | 121.4 | 119.6 | 154.7 |
| (297. DEG K) | 800 | 94.9 | 95.4 | 95.7 | 96.9 | 98.5 | 99.7 | 101.8 | 104.4 | 109.7 | 114.0 | 119.9 | 121.6 | 119.9 | 155.2 |
| TWET 68. DEG F | 1000 | 99.0 | 99.2 | 99.0 | 99.3 | 100.1 | 101.0 | 102.4 | 105.5 | 109.7 | 114.6 | 119.5 | 121.4 | 120.0 | 155.2 |
| (293. DEG K) | 1250 | 103.8 | 102.8 | 101.8 | 109.9 | 101.2 | 102.3 | 103.7 | 106.4 | 110.8 | 113.7 | 119.9 | 122.8 | 119.8 | 155.8 |
| HACT15.04 GM/M3 | 1600 | 106.6 | 107.4 | 105.4 | 104.2 | 102.6 | 102.7 | 104.1 | 106.7 | 111.4 | 114.5 | 120.5 | 121.9 | 117.9 | 155.8 |
| (.01504 KG/M3) | 2000 | 107.7 | 107.7 | 107.5 | 108.0 | 106.4 | 103.7 | 105.1 | 107.8 | 113.5 | 114.6 | 121.0 | 120.4 | 115.5 | 155.6 |
| JET 9 | 2500 | 104.5 | 106.1 | 106.9 | 107.9 | 108.5 | 107.8 | 106.0 | 107.9 | 112.6 | 114.2 | 120.6 | 118.1 | 113.1 | 155.0 |
| DIAMETER RATIO | 3150 | 103.8 | 104.6 | 105.1 | 106.6 | 107.7 | 108.3 | 108.4 | 108.9 | 112.6 | 115.4 | 119.6 | 116.3 | 112.1 | 154.5 |
| OF/DM 1.00 | 4000 | 101.8 | 103.8 | 103.9 | 105.1 | 105.0 | 106.1 | 108.2 | 110.6 | 111.6 | 115.5 | 117.7 | 114.8 | 109.1 | 153.5 |
| | 5000 | 101.2 | 103.0 | 103.5 | 104.8 | 105.6 | 105.7 | 107.4 | 111.0 | 111.6 | 115.4 | 116.5 | 113.4 | 109.0 | 153.0 |
| | 6300 | 99.2 | 101.8 | 103.1 | 105.1 | 106.2 | 106.5 | 107.9 | 110.1 | 112.8 | 114.4 | 115.1 | 112.5 | 108.0 | 152.6 |
| | 8000 | 98.7 | 100.6 | 101.6 | 103.6 | 105.7 | 106.3 | 108.2 | 109.6 | 112.1 | 113.8 | 114.2 | 111.1 | 106.8 | 152.2 |
| | 10000 | 96.4 | 100.0 | 100.8 | 102.8 | 104.6 | 105.3 | 107.6 | 108.8 | 111.1 | 112.7 | 112.2 | 109.8 | 106.3 | 151.3 |
| | 12500 | 94.5 | 98.0 | 99.6 | 101.9 | 103.4 | 103.8 | 106.4 | 107.0 | 108.9 | 110.1 | 110.5 | 107.8 | 104.5 | 149.5 |
| | 16000 | 92.8 | 96.4 | 97.8 | 100.9 | 103.2 | 102.8 | 106.0 | 106.0 | 108.0 | 108.5 | 108.6 | 106.9 | 102.8 | 149.5 |
| | 20000 | 90.5 | 93.3 | 95.7 | 98.0 | 101.6 | 100.7 | 104.1 | 102.1 | 104.9 | 105.4 | 105.1 | 103.8 | 100.4 | 147.7 |
| | 25000 | 87.3 | 90.8 | 91.9 | 95.0 | 97.7 | 97.5 | 99.0 | 99.1 | 102.7 | 102.6 | 104.2 | 99.7 | 98.1 | 146.5 |
| | 31500 | 84.3 | 88.3 | 90.2 | 92.9 | 95.2 | 95.4 | 97.9 | 96.2 | 100.3 | 100.4 | 101.0 | 101.0 | 96.0 | 146.5 |
| | 40000 | 78.4 | 82.9 | 86.5 | 88.8 | 90.4 | 90.7 | 93.4 | 92.0 | 96.8 | 96.4 | 98.7 | 96.9 | 92.4 | 146.2 |
| | 50000 | 71.2 | 75.8 | 79.7 | 82.0 | 82.4 | 83.5 | 85.2 | 85.4 | 90.2 | 93.2 | 94.8 | 90.6 | 83.7 | 144.7 |
| | 63000 | 64.3 | 68.8 | 73.4 | 74.8 | 74.8 | 76.3 | 77.1 | 79.6 | 85.1 | 89.4 | 91.7 | 84.3 | 77.8 | 140.6 |
| | 80000 | 59.1 | 62.9 | 68.7 | 68.7 | 67.6 | 69.7 | 71.9 | 73.1 | 79.2 | 86.7 | 87.8 | 80.0 | 72.7 | 131.9 |
| OVERALL MEASURED | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 114.5 | 115.1 | 115.2 | 116.2 | 116.9 | 117.1 | 118.5 | 120.3 | 123.4 | 126.3 | 130.8 | 131.6 | 129.4 | |
| PHDB | | 126.7 | 127.7 | 128.1 | 129.1 | 129.8 | 130.2 | 131.1 | 133.2 | 136.0 | 139.0 | 143.2 | 142.3 | 139.0 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 548 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-190cm²(29.4in²)

PROC. DATE - MONTH 8 DAY 27 HR. 12.2
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PWL |
|--------------------|-------|-------|--------|--------|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | | | | | | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | |
| NO EGA | 50 | 68.0 | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | 159.4 |
| RDG. NO. | 63 | 87.0 | 89.0 | 90.5 | 92.3 | 93.1 | 94.2 | 96.4 | 98.8 | 103.2 | 104.8 | 110.0 | 114.2 | 115.7 | | 161.7 |
| RADIAL 150. FT. | 80 | 86.9 | 93.6 | 91.9 | 93.9 | 96.3 | 96.9 | 98.5 | 99.8 | 103.8 | 108.8 | 113.8 | 116.5 | 117.5 | | 163.7 |
| (46. M) | 100 | 91.6 | 92.7 | 94.4 | 94.7 | 95.8 | 96.9 | 98.5 | 101.2 | 104.9 | 109.7 | 115.7 | 118.8 | 119.1 | | 165.4 |
| VEHICLE CELL 41 | 125 | 92.2 | 93.5 | 93.7 | 94.8 | 96.9 | 98.2 | 100.4 | 102.8 | 107.5 | 112.0 | 118.4 | 120.6 | 119.4 | | 166.4 |
| CONFIG NC56 | 160 | 93.1 | 94.6 | 95.3 | 96.6 | 98.0 | 99.3 | 101.7 | 104.1 | 109.3 | 114.4 | 120.1 | 122.3 | 120.6 | | 167.1 |
| LOC C41 ANECH CH | 200 | 95.8 | 96.4 | 96.9 | 97.9 | 99.5 | 100.6 | 102.7 | 105.4 | 110.6 | 114.9 | 120.9 | 122.6 | 120.9 | | 167.7 |
| DATE 06-14-76 | 250 | 99.9 | 100.2 | 99.9 | 100.2 | 101.1 | 101.9 | 103.3 | 106.5 | 110.7 | 115.5 | 120.5 | 122.4 | 120.9 | | 167.6 |
| RUN CONF5HIGHFLW | 315 | 104.7 | 103.8 | 102.8 | 101.8 | 102.2 | 103.3 | 104.7 | 107.3 | 111.8 | 114.6 | 120.8 | 123.7 | 120.8 | | 168.3 |
| TAPE X05480 | 400 | 109.6 | 103.4 | 106.4 | 105.2 | 103.5 | 103.6 | 105.0 | 107.7 | 112.4 | 115.5 | 121.4 | 122.8 | 118.9 | | 168.2 |
| BAR 29.3 HG | 500 | 108.6 | 108.7 | 108.4 | 109.0 | 107.3 | 104.7 | 106.1 | 108.7 | 112.4 | 115.5 | 122.0 | 121.4 | 116.4 | | 168.0 |
| (98773. N/M2) | 630 | 105.5 | 107.0 | 107.8 | 108.8 | 109.4 | 108.8 | 106.9 | 108.8 | 113.6 | 115.1 | 121.6 | 119.0 | 114.0 | | 167.4 |
| TAMB 75. DEG F | 800 | 104.7 | 105.5 | 106.1 | 107.6 | 108.7 | 109.3 | 109.4 | 109.8 | 113.6 | 116.4 | 120.6 | 117.3 | 113.0 | | 166.9 |
| (297. DEG K) | 1000 | 102.8 | 104.9 | 104.9 | 106.2 | 106.0 | 107.1 | 109.3 | 111.7 | 112.6 | 116.5 | 118.7 | 115.8 | 110.1 | | 165.9 |
| TWET 68. DEG F | 1250 | 102.2 | 104.0 | 104.5 | 105.8 | 106.6 | 106.7 | 108.4 | 112.0 | 112.8 | 116.4 | 117.6 | 114.5 | 110.0 | | 165.4 |
| (293. DEG K) | 1600 | 100.3 | 102.9 | 104.2 | 106.2 | 107.3 | 107.6 | 109.5 | 110.9 | 113.4 | 115.0 | 115.4 | 112.3 | 108.1 | | 165.1 |
| HACT15.04 GH/M3 | 2000 | 100.0 | 101.8 | 102.9 | 104.9 | 107.0 | 107.6 | 109.5 | 110.9 | 113.4 | 115.0 | 115.4 | 112.3 | 108.1 | | 164.6 |
| (.01504 KG/M3) | 3150 | 96.2 | 99.7 | 101.3 | 103.5 | 105.1 | 105.5 | 108.1 | 108.7 | 110.6 | 111.8 | 112.2 | 109.5 | 106.2 | | 163.7 |
| FREQ. SHIFT | 4000 | 95.0 | 98.7 | 99.9 | 103.1 | 105.4 | 105.0 | 108.1 | 107.4 | 110.1 | 110.6 | 110.7 | 109.0 | 105.0 | | 161.9 |
| JET 6 | 5000 | 93.5 | 96.3 | 98.6 | 101.0 | 104.5 | 103.6 | 107.0 | 105.1 | 107.9 | 108.4 | 108.0 | 106.7 | 103.4 | | 160.2 |
| DIAMETER RATIO | 6300 | 91.2 | 94.7 | 95.8 | 98.9 | 101.6 | 101.3 | 102.9 | 103.0 | 106.6 | 106.5 | 108.0 | 103.6 | 102.0 | | 158.7 |
| DF/DM 4.18 | 8000 | 89.4 | 93.5 | 95.4 | 98.1 | 100.4 | 100.6 | 103.0 | 101.4 | 105.4 | 106.0 | 106.2 | 106.1 | 101.1 | | 158.9 |
| | 10000 | 85.5 | 90.1 | 93.7 | 96.0 | 97.5 | 97.8 | 100.5 | 99.2 | 103.9 | 105.5 | 105.8 | 104.0 | 99.6 | | 158.6 |
| | 12500 | 80.8 | 85.4 | 89.3 | 91.7 | 92.0 | 93.1 | 94.9 | 95.1 | 99.9 | 102.8 | 104.5 | 100.3 | 93.4 | | 157.1 |
| | 16000 | 77.3 | 81.7 | 86.3 | 87.8 | 89.2 | 90.0 | 92.5 | 98.1 | 102.4 | 104.7 | 97.2 | 90.7 | | | 159.0 |
| | 20000 | 77.4 | 81.2 | 87.1 | 87.0 | 85.9 | 88.1 | 90.2 | 91.4 | 97.6 | 105.0 | 106.1 | 98.3 | 91.1 | | 164.3 |
| OVERALL CALCULATED | 115.5 | 116.1 | 116.3 | 117.4 | 118.2 | 118.3 | 119.9 | 121.5 | 124.6 | 127.5 | 131.8 | 132.5 | 130.2 | | | 179.3 |
| PND8 | 124.4 | 126.1 | 126.9 | 128.7 | 130.2 | 130.4 | 132.5 | 133.6 | 136.5 | 138.6 | 140.5 | 139.9 | 136.7 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | | |
|---------------|------------|-------------------|--|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
| 5 | 548 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 5 | 548 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA

PROC. DATE - MONTH 8 DAY 27 HR. 12.2
DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA | | | | | INLET IN DEGREES (AND RADIAN) | | | | | PWL | | | | |
|--------------------|--|-------|-------|-------|-------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| NO EGA | 50 | 85.0 | 85.2 | 86.0 | 88.5 | 88.9 | 90.0 | 91.6 | 93.8 | 97.7 | 101.1 | 105.5 | 108.9 | 109.7 | 154.2 |
| RDG. NO. 0. | 63 | 83.5 | 86.8 | 88.0 | 89.1 | 90.2 | 91.0 | 93.9 | 95.6 | 99.5 | 104.1 | 109.8 | 111.5 | 111.5 | 157.0 |
| RADIAL 150. FT. | 80 | 85.9 | 89.4 | 88.6 | 90.7 | 92.3 | 93.9 | 95.5 | 97.4 | 101.1 | 106.7 | 112.4 | 114.6 | 113.4 | 159.5 |
| (46. M) | 100 | 87.9 | 89.2 | 90.7 | 91.2 | 92.5 | 93.9 | 95.5 | 98.7 | 103.2 | 109.0 | 114.4 | 115.6 | 113.7 | 160.9 |
| VEHICLE CELL41 | 125 | 88.2 | 89.5 | 90.5 | 91.5 | 93.1 | 94.7 | 96.4 | 99.3 | 103.7 | 110.8 | 114.8 | 115.9 | 113.7 | 161.4 |
| CONFIG NC56 | 160 | 89.3 | 91.1 | 91.1 | 93.1 | 94.2 | 96.1 | 98.0 | 100.9 | 105.3 | 110.7 | 114.4 | 115.8 | 113.8 | 161.1 |
| LOC C41 ANECH CH | 200 | 90.8 | 92.1 | 92.6 | 94.6 | 95.2 | 96.9 | 98.7 | 102.1 | 107.1 | 111.4 | 113.6 | 114.8 | 112.9 | 160.4 |
| DATE 06-14-76 | 250 | 92.4 | 93.4 | 94.4 | 95.7 | 96.6 | 97.9 | 99.6 | 103.0 | 106.9 | 111.3 | 112.5 | 113.4 | 112.4 | 160.8 |
| RUN CONF5VELDEPN | 315 | 92.2 | 94.0 | 95.8 | 95.8 | 96.9 | 98.3 | 100.4 | 103.6 | 108.5 | 110.6 | 112.6 | 115.0 | 112.3 | 160.8 |
| TAPE X51070 | 400 | 92.3 | 94.1 | 94.4 | 96.2 | 97.3 | 98.9 | 100.3 | 103.4 | 108.4 | 110.7 | 112.7 | 114.3 | 111.9 | 160.8 |
| BAR 29.3 HG | 500 | 92.6 | 93.9 | 95.4 | 96.5 | 97.6 | 98.7 | 101.6 | 105.0 | 108.7 | 110.5 | 112.7 | 114.1 | 111.2 | 161.0 |
| (98807. N/H2) | 630 | 92.8 | 94.8 | 95.8 | 96.6 | 97.7 | 99.3 | 101.4 | 104.8 | 109.8 | 110.9 | 112.8 | 114.3 | 110.5 | 161.3 |
| TAMB 75. DEG F | 800 | 93.0 | 94.5 | 95.6 | 97.6 | 98.9 | 99.5 | 102.2 | 105.6 | 109.8 | 111.4 | 113.6 | 113.8 | 110.3 | 160.6 |
| (297. DEG K) | 1000 | 92.3 | 94.4 | 95.6 | 97.4 | 98.3 | 99.6 | 102.5 | 106.2 | 108.9 | 111.7 | 112.9 | 112.3 | 108.4 | 160.5 |
| TWET 68. DEG F | 1250 | 92.4 | 95.5 | 96.5 | 98.3 | 98.4 | 100.5 | 102.9 | 106.3 | 108.5 | 111.4 | 112.6 | 111.7 | 107.7 | 159.9 |
| (293. DEG K) | 1600 | 93.1 | 97.6 | 97.7 | 98.4 | 100.0 | 101.4 | 104.3 | 106.4 | 108.9 | 110.8 | 112.2 | 111.1 | 107.1 | 158.6 |
| HACT15.21 GW/M3 | 2000 | 93.2 | 97.1 | 98.1 | 99.1 | 100.2 | 101.8 | 104.9 | 106.6 | 108.9 | 110.7 | 111.2 | 110.1 | 106.6 | 157.8 |
| (.01521 KG/M3) | 2500 | 90.8 | 95.7 | 97.5 | 99.7 | 101.3 | 101.2 | 104.6 | 107.0 | 108.0 | 109.4 | 110.6 | 109.4 | 106.7 | 156.2 |
| FREQ. SHIFT | 3150 | 88.7 | 93.2 | 95.1 | 98.0 | 100.3 | 101.0 | 104.3 | 105.4 | 106.3 | 107.5 | 108.2 | 108.5 | 104.7 | 154.5 |
| JET 6 | 4000 | 87.2 | 92.2 | 94.6 | 98.1 | 99.9 | 100.2 | 103.9 | 103.1 | 105.6 | 106.6 | 106.7 | 107.0 | 103.5 | 154.4 |
| DIAMETER RATIO | 5000 | 84.7 | 89.8 | 92.9 | 95.8 | 99.0 | 98.9 | 102.8 | 100.8 | 104.4 | 104.1 | 103.8 | 105.0 | 102.6 | 153.6 |
| DF/DH 4.18 | 6300 | 82.4 | 87.9 | 90.3 | 93.9 | 96.3 | 96.3 | 98.6 | 99.2 | 102.6 | 101.7 | 103.5 | 101.3 | 100.4 | 151.8 |
| | 8000 | 80.9 | 87.0 | 89.6 | 93.3 | 95.6 | 95.6 | 98.7 | 97.6 | 100.1 | 100.7 | 101.7 | 102.6 | 99.3 | 152.5 |
| | 10000 | 77.0 | 83.3 | 87.6 | 90.4 | 92.2 | 92.3 | 95.7 | 95.4 | 98.4 | 100.2 | 100.0 | 100.5 | 97.8 | 158.4 |
| | 12500 | 71.2 | 77.3 | 82.5 | 85.3 | 86.4 | 87.3 | 89.3 | 90.3 | 95.0 | 97.7 | 98.4 | 95.7 | 92.1 | 173.7 |
| | 16000 | 67.7 | 73.1 | 78.7 | 80.7 | 82.4 | 83.1 | 84.9 | 87.2 | 92.7 | 95.2 | 97.6 | 92.4 | 87.4 | |
| | 20000 | 67.3 | 72.1 | 77.9 | 78.1 | 81.8 | 83.4 | 85.4 | 85.0 | 93.5 | 99.6 | 99.2 | 91.7 | 88.2 | |
| OVERALL CALCULATED | 104.1 | 106.9 | 108.1 | 109.8 | 111.3 | 112.3 | 115.0 | 117.2 | 120.5 | 123.2 | 125.5 | 126.4 | 124.1 | | |
| PND8 | 115.3 | 119.1 | 120.7 | 122.8 | 124.4 | 125.1 | 128.2 | 129.8 | 132.2 | 134.1 | 135.6 | 135.6 | 132.8 | | |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5107 TEST POINT 5107 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

PROC. DATE - MONTH 8 DAY 27 HR. 12.2

| | | FULL SIZE SOUND PRESSURE | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| NO EGA | | 50 | 56.8 | 58.6 | 60.5 | 63.7 | 64.5 | 65.7 | 67.2 | 69.0 | 72.2 | 74.4 | 77.3 |
| SIDELINE 2400. FT. | | 63 | 55.3 | 60.1 | 62.5 | 64.2 | 65.7 | 66.7 | 69.5 | 70.7 | 74.0 | 81.6 | 81.0 |
| (731.52 M) | | 80 | 57.5 | 62.6 | 63.0 | 65.8 | 67.8 | 69.5 | 71.0 | 72.5 | 75.5 | 80.0 | 84.1 |
| | | 100 | 59.4 | 62.3 | 65.0 | 66.2 | 68.0 | 69.5 | 71.0 | 73.7 | 75.5 | 82.2 | 86.0 |
| 1. RPM | | 125 | 59.6 | 62.6 | 64.7 | 66.5 | 68.5 | 70.2 | 71.7 | 74.2 | 77.9 | 83.9 | 86.2 |
| (0. RAD/SEC) | | 160 | 60.6 | 64.0 | 65.2 | 68.0 | 69.5 | 71.5 | 73.2 | 75.7 | 79.4 | 83.6 | 85.6 |
| 1. RPM | | 200 | 61.9 | 64.8 | 66.5 | 69.3 | 70.4 | 72.1 | 73.9 | 76.8 | 81.0 | 84.2 | 84.7 |
| (0. RAD/SEC) | | 250 | 63.2 | 66.0 | 68.2 | 70.2 | 71.5 | 73.0 | 74.5 | 77.5 | 80.7 | 83.8 | 83.3 |
| NFD 7500. RPM | | 315 | 62.7 | 66.3 | 69.3 | 70.1 | 71.7 | 73.2 | 75.2 | 77.8 | 82.0 | 82.9 | 83.0 |
| (785. RAD/SEC) | | 400 | 62.4 | 66.0 | 67.5 | 70.2 | 71.7 | 73.5 | 74.7 | 77.4 | 81.5 | 82.6 | 82.7 |
| AIRFLOW RATIO | | 500 | 62.1 | 65.4 | 68.2 | 70.1 | 71.7 | 73.0 | 75.7 | 78.6 | 81.5 | 82.0 | 82.2 |
| WF/W 4.18 | | 630 | 61.5 | 65.7 | 68.1 | 69.8 | 71.4 | 73.2 | 75.1 | 78.0 | 82.1 | 81.8 | 81.6 |
| | | 800 | 60.9 | 64.7 | 67.2 | 70.2 | 72.0 | 72.8 | 75.3 | 78.2 | 81.4 | 81.5 | 81.5 |
| VEHICLE CELL41 | | 1000 | 59.1 | 63.6 | 66.5 | 69.3 | 70.7 | 72.3 | 74.9 | 78.0 | 79.7 | 81.0 | 79.8 |
| CONFIG NC56 | | 1250 | 57.9 | 63.6 | 66.4 | 69.2 | 69.9 | 72.3 | 74.4 | 77.2 | 78.4 | 79.5 | 78.0 |
| LOC C41 ANECH CH | | 1600 | 56.6 | 64.1 | 66.1 | 68.1 | 70.3 | 71.9 | 74.6 | 76.1 | 77.3 | 77.3 | 75.7 |
| DATE 06-14-76 | | 2000 | 54.4 | 61.6 | 64.8 | 67.2 | 69.0 | 70.9 | 73.8 | 74.7 | 75.6 | 75.3 | 72.4 |
| RUN CONFVSVELDEPN | | 2500 | 48.7 | 57.4 | 61.8 | 65.6 | 68.0 | 68.2 | 71.3 | 72.8 | 72.3 | 71.2 | 68.4 |
| TAPE X51070 | | 3150 | 41.2 | 50.5 | 55.4 | 60.3 | 63.6 | 64.6 | 67.6 | 67.7 | 66.6 | 64.8 | 60.6 |
| FAN TIP SPEED | | 4000 | 31.6 | 42.8 | 49.0 | 54.9 | 58.0 | 58.7 | 62.0 | 59.9 | 60.0 | 57.2 | 51.1 |
| FT/SEC | | 5000 | 24.4 | 36.4 | 43.8 | 49.4 | 54.1 | 54.4 | 57.9 | 54.5 | 55.4 | 50.8 | 43.5 |
| | | 6300 | 8.3 | 23.1 | 31.2 | 38.3 | 42.7 | 43.3 | 44.9 | 43.7 | 43.5 | 36.9 | 29.4 |
| | | 8000 | | 4.6 | 15.1 | 23.6 | 28.5 | 29.3 | 31.6 | 27.9 | 25.6 | 18.3 | 6.5 |
| | | 10000 | | | 0.9 | 6.3 | 7.5 | 9.8 | 5.9 | 2.3 | | | |
| | | 12500 | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | |
| OVERALL CALCULATED | | 20000 | 72.6 | 76.5 | 78.8 | 81.0 | 82.6 | 84.2 | 86.3 | 88.8 | 91.9 | 93.9 | 95.0 |
| PNDB | | | 77.6 | 83.6 | 86.5 | 89.4 | 91.5 | 92.8 | 95.4 | 96.9 | 98.8 | 99.4 | 99.2 |
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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 5 | 5107 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 21.8

| MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.45)(3.6)(3.75)(3.9)(4.05)(4.2)(4.35)(4.5)(4.75)(4.9)(5.0) | | | | | | | | | | | | | | |
| NO. EGA | | | | | | | | | | | | | | |
| RDG. NO. 0. | | | | | | | | | | | | | | |
| RADIAL 40. FT. | | | | | | | | | | | | | | |
| (12. M) | | | | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | | |
| CONFIG NC54 | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | |
| DATE 06-11-76 | | | | | | | | | | | | | | |
| RUN CONFVELDEPN | | | | | | | | | | | | | | |
| TAPE X51080 | | | | | | | | | | | | | | |
| SAR 29.3 HG | | | | | | | | | | | | | | |
| (98773. N/42) | | | | | | | | | | | | | | |
| TAMB 81. DEG F | | | | | | | | | | | | | | |
| (300. DEG K) | | | | | | | | | | | | | | |
| TWET 69. DEG F | | | | | | | | | | | | | | |
| (294. DEG K) | | | | | | | | | | | | | | |
| HACT14.49 GM/M3 | | | | | | | | | | | | | | |
| (0.01449 KG/M3) | | | | | | | | | | | | | | |
| FREQ. SHIFT | | | | | | | | | | | | | | |
| JET 0 | | | | | | | | | | | | | | |
| DIAMETER RATIO | | | | | | | | | | | | | | |
| OF/DH 1.00 | | | | | | | | | | | | | | |
| 100 | 80.9 | 90.7 | 88.4 | 90.0 | 91.0 | 91.4 | 91.5 | 92.0 | 93.2 | 94.7 | 98.9 | 98.4 | 100.7 | 136.0 |
| 125 | 80.3 | 85.4 | 86.4 | 88.2 | 90.5 | 91.9 | 92.2 | 93.4 | 92.6 | 91.7 | 59.4 | 101.8 | 102.1 | 136.8 |
| 160 | 80.6 | 83.7 | 86.4 | 87.2 | 88.0 | 88.2 | 88.0 | 89.7 | 91.9 | 97.0 | 101.4 | 102.6 | 104.2 | 137.7 |
| 200 | 83.5 | 84.0 | 85.8 | 87.6 | 87.9 | 89.0 | 89.9 | 92.1 | 95.5 | 100.1 | 103.1 | 107.3 | 108.3 | 141.1 |
| 250 | 82.8 | 85.6 | 87.1 | 87.6 | 88.5 | 89.8 | 92.0 | 93.9 | 96.8 | 102.2 | 107.6 | 109.5 | 109.8 | 143.6 |
| 315 | 84.2 | 88.2 | 87.2 | 89.2 | 91.1 | 92.2 | 93.6 | 95.7 | 99.4 | 105.3 | 110.0 | 112.4 | 111.7 | 146.0 |
| 400 | 86.4 | 88.0 | 89.5 | 89.5 | 91.3 | 92.7 | 93.3 | 96.8 | 101.2 | 107.5 | 112.2 | 113.7 | 112.2 | 147.6 |
| 500 | 87.3 | 88.0 | 89.3 | 89.8 | 91.4 | 93.5 | 95.4 | 97.8 | 101.8 | 108.9 | 112.1 | 113.8 | 112.0 | 147.6 |
| 630 | 87.4 | 89.4 | 90.1 | 91.7 | 93.0 | 94.1 | 96.3 | 99.2 | 103.4 | 108.5 | 110.9 | 112.6 | 111.1 | 147.6 |
| 800 | 89.4 | 90.7 | 91.2 | 92.5 | 94.0 | 95.7 | 97.3 | 100.2 | 105.2 | 110.0 | 110.4 | 111.1 | 109.9 | 146.9 |
| 1000 | 91.2 | 92.0 | 93.0 | 94.0 | 95.4 | 96.7 | 98.4 | 101.3 | 105.5 | 109.5 | 109.5 | 110.5 | 109.5 | 146.7 |
| 1250 | 90.8 | 92.3 | 94.8 | 94.9 | 95.5 | 96.8 | 98.7 | 102.1 | 107.1 | 109.4 | 110.1 | 111.8 | 109.8 | 147.3 |
| 1600 | 90.9 | 92.7 | 93.2 | 94.8 | 96.1 | 98.4 | 99.1 | 102.2 | 107.2 | 110.3 | 111.0 | 112.4 | 111.4 | 148.1 |
| 2000 | 91.4 | 93.2 | 94.5 | 95.0 | 96.4 | 98.0 | 100.1 | 103.5 | 107.5 | 110.6 | 110.8 | 112.7 | 111.2 | 148.3 |
| 2500 | 91.3 | 92.8 | 94.6 | 96.1 | 97.0 | 98.3 | 100.5 | 103.6 | 107.6 | 110.2 | 111.6 | 112.1 | 110.3 | 148.2 |
| 3150 | 91.8 | 93.3 | 94.8 | 95.6 | 97.7 | 98.3 | 100.7 | 104.4 | 108.9 | 110.9 | 111.4 | 111.3 | 109.6 | 148.4 |
| 4000 | 91.0 | 93.1 | 94.9 | 95.6 | 97.2 | 98.3 | 100.7 | 104.4 | 108.9 | 110.9 | 111.4 | 111.3 | 109.6 | 147.6 |
| 5000 | 90.7 | 93.7 | 95.0 | 95.6 | 97.2 | 98.6 | 100.7 | 105.1 | 107.1 | 110.7 | 110.2 | 109.8 | 107.3 | 147.6 |
| 6300 | 91.2 | 95.3 | 96.4 | 97.1 | 98.2 | 99.8 | 102.2 | 104.9 | 106.6 | 109.2 | 108.4 | 108.3 | 106.1 | 146.9 |
| 8000 | 90.3 | 94.4 | 95.7 | 97.9 | 98.7 | 99.9 | 102.5 | 104.7 | 106.2 | 108.6 | 107.5 | 107.6 | 105.4 | 146.8 |
| 10000 | 87.9 | 92.3 | 94.4 | 97.4 | 99.7 | 99.0 | 101.7 | 104.1 | 105.1 | 107.3 | 105.7 | 106.3 | 104.0 | 146.0 |
| 12500 | 85.1 | 88.8 | 92.0 | 94.9 | 97.2 | 98.6 | 100.5 | 101.6 | 103.2 | 104.9 | 103.3 | 104.6 | 103.1 | 144.5 |
| 16000 | 83.7 | 87.2 | 90.1 | 93.8 | 95.8 | 96.7 | 100.1 | 99.6 | 101.9 | 102.6 | 102.0 | 103.5 | 100.9 | 143.7 |
| 20000 | 80.1 | 84.2 | 87.1 | 90.2 | 94.2 | 94.3 | 97.7 | 96.8 | 99.4 | 99.4 | 98.3 | 99.9 | 97.8 | 141.8 |
| 25000 | 77.5 | 81.0 | 83.9 | 87.2 | 90.2 | 90.7 | 93.0 | 93.9 | 96.5 | 95.9 | 96.9 | 95.0 | 94.3 | 139.9 |
| 31500 | 75.0 | 78.9 | 82.1 | 85.0 | 87.8 | 88.2 | 91.4 | 91.1 | 93.6 | 93.2 | 93.8 | 91.5 | 139.6 | 139.9 |
| 40000 | 70.5 | 73.9 | 78.8 | 80.8 | 81.9 | 82.9 | 86.9 | 86.3 | 89.3 | 90.5 | 90.3 | 90.6 | 87.2 | 136.9 |
| 50000 | 65.2 | 68.7 | 72.5 | 74.2 | 74.6 | 75.9 | 79.9 | 79.1 | 83.2 | 85.8 | 86.4 | 84.3 | 81.7 | 137.5 |
| 63000 | 60.9 | 63.2 | 67.9 | 67.8 | 67.5 | 68.7 | 74.0 | 73.1 | 76.9 | 81.6 | 80.4 | 77.8 | 76.0 | 136.2 |
| 80000 | 58.2 | 60.7 | 66.7 | 63.5 | 63.1 | 64.8 | 72.9 | 67.4 | 72.2 | 78.1 | 77.9 | 73.4 | 74.0 | 144.3 |
| OVERALL MEASURED | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | |
| PN08 | | | | | | | | | | | | | | |
| 102.5 105.0 106.4 107.8 109.4 110.5 112.7 115.4 118.5 121.8 122.8 123.9 122.6 | | | | | | | | | | | | | | |
| 115.4 117.5 118.9 119.9 121.5 122.7 124.7 128.2 131.4 134.5 135.2 135.8 134.3 | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 5 | 510B | 12.2m(40ft.) ARC | MODEL-190cm ² (29.4in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.8
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| RDG. NO. | NO EGA | VEHICLE | CONF | LOC | DATE | RUM | TAFE | BAR | TAPS | TWEI | HACT | FREQ. | JET | DIAMETER | RATIO | DF/34 | FREQ. | | | | | | | | | | PWL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|--------|---------|------|------|------|------|------|------|------|------|------|-------|------|----------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-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| | | | | | | | | | | | | | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | | 140. | 150. | 160. | 170. | 180. | 190. | 200. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 81.9 | 80.3 | 80.6 | 83.8 | 82.6 | 83.9 | 85.7 | 87.3 | 87.6 | 88.9 | 90.4 | 92.3 | 93.1 | 94.3 | 94.7 | 95.5 | 96.8 | 97.4 | 103.9 | 106.4 | 107.0 | 108.2 | 109.6 | 110.6 | 112.0 | 113.1 | 114.1 | 115.1 | 116.1 | 117.1 | 118.1 | 119.1 | 120.1 | 121.1 | 122.1 | 123.1 | 124.1 | 125.1 | 126.1 | 127.1 | 128.1 | 129.1 | 130.1 | 131.1 | 132.1 | 133.1 | 134.1 | 135.1 | 136.1 | 137.1 | 138.1 | 139.1 | 140.1 | 141.1 | 142.1 | 143.1 | 144.1 | 145.1 | 146.1 | 147.1 | 148.1 | 149.1 | 150.1 | 151.1 | 152.1 | 153.1 | 154.1 | 155.1 | 156.1 | 157.1 | 158.1 | 159.1 | 160.1 | 161.1 | 162.1 | 163.1 | 164.1 | 165.1 | 166.1 | 167.1 | 168.1 | 169.1 | 170.1 | 171.1 | 172.1 | 173.1 | 174.1 | 175.1 | 176.1 | 177.1 | 178.1 | 179.1 | 180.1 | 181.1 | 182.1 | 183.1 | 184.1 | 185.1 | 186.1 | 187.1 | 188.1 | 189.1 | 190.1 | 191.1 | 192.1 | 193.1 | 194.1 | 195.1 | 196.1 | 197.1 | 198.1 | 199.1 | 200.1 | 201.1 | 202.1 | 203.1 | 204.1 | 205.1 | 206.1 | 207.1 | 208.1 | 209.1 | 210.1 | 211.1 | 212.1 | 213.1 | 214.1 | 215.1 | 216.1 | 217.1 | 218.1 | 219.1 | 220.1 | 221.1 | 222.1 | 223.1 | 224.1 | 225.1 | 226.1 | 227.1 | 228.1 | 229.1 | 230.1 | 231.1 | 232.1 | 233.1 | 234.1 | 235.1 | 236.1 | 237.1 | 238.1 | 239.1 | 240.1 | 241.1 | 242.1 | 243.1 | 244.1 | 245.1 | 246.1 | 247.1 | 248.1 | 249.1 | 250.1 | 251.1 | 252.1 | 253.1 | 254.1 | 255.1 | 256.1 | 257.1 | 258.1 | 259.1 | 260.1 | 261.1 | 262.1 | 263.1 | 264.1 | 265.1 | 266.1 | 267.1 | 268.1 | 269.1 | 270.1 | 271.1 | 272.1 | 273.1 | 274.1 | 275.1 | 276.1 | 277.1 | 278.1 | 279.1 | 280.1 | 281.1 | 282.1 | 283.1 | 284.1 | 285.1 | 286.1 | 287.1 | 288.1 | 289.1 | 290.1 | 291.1 | 292.1 | 293.1 | 294.1 | 295.1 | 296.1 | 297.1 | 298.1 | 299.1 | 300.1 | 301.1 | 302.1 | 303.1 | 304.1 | 305.1 | 306.1 | 307.1 | 308.1 | 309.1 | 310.1 | 311.1 | 312.1 | 313.1 | 314.1 | 315.1 | 316.1 | 317.1 | 318.1 | 319.1 | 320.1 | 321.1 | 322.1 | 323.1 | 324.1 | 325.1 | 326.1 | 327.1 | 328.1 | 329.1 | 330.1 | 331.1 | 332.1 | 333.1 | 334.1 | 335.1 | 336.1 | 337.1 | 338.1 | 339.1 | 340.1 | 341.1 | 342.1 | 343.1 | 344.1 | 345.1 | 346.1 | 347.1 | 348.1 | 349.1 | 350.1 | 351.1 | 352.1 | 353.1 | 354.1 | 355.1 | 356.1 | 357.1 | 358.1 | 359.1 | 360.1 | 361.1 | 362.1 | 363.1 | 364.1 | 365.1 | 366.1 | 367.1 | 368.1 | 369.1 | 370.1 | 371.1 | 372.1 | 373.1 | 374.1 | 375.1 | 376.1 | 377.1 | 378.1 | 379.1 | 380.1 | 381.1 | 382.1 | 383.1 | 384.1 | 385.1 | 386.1 | 387.1 | 388.1 | 389.1 | 390.1 | 391.1 | 392.1 | 393.1 | 394.1 | 395.1 | 396.1 | 397.1 | 398.1 | 399.1 | 400.1 | 401.1 | 402.1 | 403.1 | 404.1 | 405.1 | 406.1 | 407.1 | 408.1 | 409.1 | 410.1 | 411.1 | 412.1 | 413.1 | 414.1 | 415.1 | 416.1 | 417.1 | 418.1 | 419.1 | 420.1 | 421.1 | 422.1 | 423.1 | 424.1 | 425.1 | 426.1 | 427.1 | 428.1 | 429.1 | 430.1 | 431.1 | 432.1 | 433.1 | 434.1 | 435.1 | 436.1 | 437.1 | 438.1 | 439.1 | 440.1 | 441.1 | 442.1 | 443.1 | 444.1 | 445.1 | 446.1 | 447.1 | 448.1 | 449.1 | 450.1 | 451.1 | 452.1 | 453.1 | 454.1 | 455.1 | 456.1 | 457.1 | 458.1 | 459.1 | 460.1 | 461.1 | 462.1 | 463.1 | 464.1 | 465.1 | 466.1 | 467.1 | 468.1 | 469.1 | 470.1 | 471.1 | 472.1 | 473.1 | 474.1 | 475.1 | 476.1 | 477.1 | 478.1 | 479.1 | 480.1 | 481.1 | 482.1 | 483.1 | 484.1 | 485.1 | 486.1 | 487.1 | 488.1 | 489.1 | 490.1 | 491.1 | 492.1 | 493.1 | 494.1 | 495.1 | 496.1 | 497.1 | 498.1 | 499.1 | 500.1 | 501.1 | 502.1 | 503.1 | 504.1 | 505.1 | 506.1 | 507.1 | 508.1 | 509.1 | 510.1 | 511.1 | 512.1 | 513.1 | 514.1 | 515.1 | 516.1 | 517.1 | 518.1 | 519.1 | 520.1 | 521.1 | 522.1 | 523.1 | 524.1 | 525.1 | 526.1 | 527.1 | 528.1 | 529.1 | 530.1 | 531.1 | 532.1 | 533.1 | 534.1 | 535.1 | 536.1 | 537.1 | 538.1 | 539.1 | 540.1 | 541.1 | 542.1 | 543.1 | 544.1 | 545.1 | 546.1 | 547.1 | 548.1 | 549.1 | 550.1 | 551.1 | 552.1 | 553.1 | 554.1 | 555.1 | 556.1 | 557.1 | 558.1 | 559.1 | 560.1 | 561.1 | 562.1 | 563.1 | 564.1 | 565.1 | 566.1 | 567.1 | 568.1 | 569.1 | 570.1 | 571.1 | 572.1 | 573.1 | 574.1 | 575.1 | 576.1 | 577.1 | 578.1 | 579.1 | 580.1 | 581.1 | 582.1 | 583.1 | 584.1 | 585.1 | 586.1 | 587.1 | 588.1 | 589.1 | 590.1 | 591.1 | 592.1 | 593.1 | 594.1 | 595.1 | 596.1 | 597.1 | 598.1 | 599.1 | 600.1 | 601.1 | 602.1 | 603.1 | 604.1 | 605.1 | 606.1 | 607.1 | 608.1 | 609.1 | 610.1 | 611.1 | 612.1 | 613.1 | 614.1 | 615.1 | 616.1 | 617.1 | 618.1 | 619.1 | 620.1 | 621.1 | 622.1 | 623.1 | 624.1 | 625.1 | 626.1 | 627.1 | 628.1 | 629.1 | 630.1 | 631.1 | 632.1 | 633.1 | 634.1 | 635.1 | 636.1 | 637.1 | 638.1 | 639.1 | 640.1 | 641.1 | 642.1 | 643.1 | 644.1 | 645.1 | 646.1 | 647.1 | 648.1 | 649.1 | 650.1 | 651.1 | 652.1 | 653.1 | 654.1 | 655.1 | 656.1 | 657.1 | 658.1 | 659.1 | 660.1 | 661.1 | 662.1 | 663.1 | 664.1 | 665.1 | 666.1 | 667.1 | 668.1 | 669.1 | 670.1 | 671.1 | 672.1 | 673.1 | 674.1 | 675.1 | 676.1 | 677.1 | 678.1 | 679.1 | 680.1 | 681.1 | 682.1 | 683.1 | 684.1 | 685.1 | 686.1 | 687.1 | 688.1 | 689.1 | 690.1 | 691.1 | 692.1 | 693.1 | 694.1 | 695.1 | 696.1 | 697.1 | 698.1 | 699.1 | 700.1 | 701.1 | 702.1 | 703.1 | 704.1 | 705.1 | 706.1 | 707.1 | 708.1 | 709.1 | 710.1 | 711.1 | 712.1 | 713.1 | 714.1 | 715.1 | 716.1 | 717.1 | 718.1 | 719.1 | 720.1 | 721.1 | 722.1 | 723.1 | 724.1 | 725.1 | 726.1 | 727.1 | 728.1 | 729.1 | 730.1 | 731.1 | 732.1 | 733.1 | 734.1 | 735.1 | 736.1 | 737.1 | 738.1 | 739.1 | 740.1 | 741.1 | 742.1 | 743.1 | 744.1 | 745.1 | 746.1 | 747.1 | 748.1 | 749.1 | 750.1 | 751.1 | 752.1 | 753.1 | 754.1 | 755.1 | 756.1 | 757.1 | 758.1 | 759.1 | 760.1 | 761.1 | 762.1 | 763.1 | 764.1 | 765.1 | 766.1 | 767.1 | 768.1 | 769.1 | 770.1 | 771.1 | 772.1 | 773.1 | 774.1 | 775.1 | 776.1 | 777.1 | 778.1 | 779.1 | 780.1 | 781.1 | 782.1 | 783.1 | 784.1 | 785.1 | 786.1 | 787.1 | 788.1 | 789.1 | 790.1 | 791.1 | 792.1 | 793.1 | 794.1 | 795.1 | 796.1 | 797.1 | 798.1 | 799.1 | 800.1 | 801.1 | 802.1 | 803.1 | 804.1 | 805.1 | 806.1 | 807.1 | 808.1 | 809.1 | 810.1 | 811.1 | 812.1 | 813.1 | 814.1 | 815.1 | 816.1 | 817.1 | 818.1 | 819.1 | 820.1 | 821.1 | 822.1 | 823.1 | 824.1 | 825.1 | 826.1 | 827.1 | 828.1 | 829.1 | 830.1 | 831.1 | 832.1 | 833.1 | 834.1 | 835.1 | 836.1 | 837.1 | 838.1 | 839.1 | 840.1 | 841.1 | 842.1 | 843.1 | 844.1 | 845.1 | 846.1 | 847.1 | 848.1 | 849.1 | 850.1 | 851.1 | 852.1 | 853.1 | 854.1 | 855.1 | 856.1 | 857.1 | 858.1 | 859.1 | 860.1 | 861.1 | 862.1 | 863.1 | 864.1 | 865.1 | 866.1 | 867.1 | 868.1 | 869.1 | 870.1 | 871.1 | 872.1 | 873.1 | 874.1 | 875.1 | 876.1 | 877.1 | 878.1 | 879.1 | 880.1 | 881.1 | 882.1 | 883.1 | 884.1 | 885.1 | 886.1 | 887.1 | 888.1 | 889.1 | 890.1 | 891.1 | 892.1 | 893.1 | 894.1 | 895.1 | 896.1 | 897.1 | 898.1 | 899.1 | 900.1 | 901.1 | 902.1 | 903.1 | 904.1 | 905.1 | 906.1 | 907.1 | 908.1 | 909.1 | 910.1 | 911.1 | 912.1 | 913.1 | 914.1 | 915.1 | 916.1 | 917.1 | 918.1 | 919.1 | 920.1 | 921.1 | 922.1 | 923.1 | 924.1 | 925.1 | 926.1 | 927.1 | 928.1 | 929.1 | 930.1 | 931.1 | 932.1 | 933.1 | 934.1 | 935.1 | 936.1 | 937.1 | 938.1 | 939.1 | 940.1 | 941.1 | 942.1 | 943.1 | 944.1 | 945.1 | 946.1 | 947.1 | 948.1 | 949.1 | 950.1 | 951.1 | 952.1 | 953.1 | 954.1 | 955.1 | 956.1 | 957.1 | 958.1 | 959.1 | 960.1 | 961.1 | 962.1 | 963.1 | 964.1 | 965.1 | 966.1 | 967.1 | 968.1 | 969.1 | 970.1 | 971.1 | 972.1 | 973.1 | 974.1 | 975.1 | 976.1 | 977.1 | 978.1 | 979.1 | 980.1 | 981.1 | 982.1 | 983.1 | 984.1 | 985.1 | 986.1 | 987.1 | 988.1 | 989.1 | 990.1 | 991.1 | 992.1 | 993.1 | 994.1 | 995.1 | 996.1 | 997.1 | 998.1 | 999.1 | 1000.1 | 1001.1 | 1002.1 | 1003.1 | 1004.1 | 1005.1 | 1006.1 | 1007.1 | 1008.1 | 1009.1 | 1010.1 | 1011.1 | 1012.1 | 1013.1 | 1014.1 | 1015.1 | 1016.1 | 1017.1 | 1018.1 | 1019.1 | 1020.1 | 1021.1 | 1022.1 | 1023.1 | 1024.1 | 1025.1 | 1026.1 | 1027.1 | 1028.1 | 1029.1 | 1030.1 | 1031.1 | 1032.1 | 1033.1 | 1034.1 | 1035.1 | 1036.1 | 1037.1 | 1038.1 | 1039.1 | 1040.1 | 1041.1 | 1042.1 | 1043.1 | 1044.1 | 1045.1 | 1046.1 | 1047.1 | 1048.1 | 1049.1 | 1050.1 | 1051.1 | 1052.1 | 1053.1 | 1054.1 | 1055.1 | 1056.1 | 1057.1 | 1058.1 | 1059.1 | 1060.1 | 1061.1 | 1062.1 | 1063.1 | 1064.1 | 1065.1 | 1066.1 | 1067.1 | 1068.1 | 1069.1 | 1070.1 | 1071.1 | 1072.1 | 1073.1 | 1074.1 | 1075.1 | 1076.1 | 1077.1 | 1078.1 | 1079.1 | 1080.1 | 1081.1 | 1082.1 | 1083.1 | 1084.1 | 1085.1 | 1086.1 | 1087.1 | 1088.1 | 1089.1 | 1090.1 | 1091.1 | 1092.1 | 1093.1 | 1094.1 | 1095.1 | 1096.1 | 1097.1 | 1098.1 | 1099.1 | 1100.1 | 1101.1 | 1102.1 | 1103.1 | 1104.1 | 1105.1 | 1106.1 | 1107.1 | 1108.1 | 1109.1 | 1110.1 | 1111.1 | 1112.1 | 1113.1 | 1114.1 | 1115.1 | 1116.1 | 1117.1 | 1118.1 | 1119.1 | 1120.1 | 1121.1 | 1122.1 | 1123.1 | 1124.1 | 1125.1 | 1126.1 | 1127.1 | 1128.1 | 1129.1 | 1130.1 | 1131.1 | 1132.1 | 1133.1 | 1134.1 | 1135.1 | 1136.1 | 1137.1 | 1138.1 | 1139.1 | 1140.1 | 1141.1 | 1142.1 | 1143.1 | 1144.1 |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 50 | 56.5 | 58.6 | 61.0 | 63.5 | 64.7 | 66.0 | 67.2 | 68.5 | 71.0 | 73.9 | 75.6 | 78.0 | 75.2 | 79.0 | 76.5 | 76.5 |
| SIDELINE 2400. FT. | 63 | 55.3 | 59.4 | 62.2 | 63.0 | 65.0 | 66.5 | 68.7 | 70.0 | 72.0 | 75.4 | 79.0 | 79.7 | 76.5 | 79.0 | 76.5 | 76.5 |
| (731.52 M) | 80 | 56.5 | 62.4 | 62.3 | 65.0 | 67.5 | 68.3 | 69.3 | 71.0 | 73.5 | 78.2 | 81.1 | 82.2 | 77.9 | 81.1 | 82.2 | 77.9 |
| NFA | 100 | 58.2 | 61.3 | 64.2 | 65.0 | 69.8 | 68.5 | 69.8 | 72.2 | 74.7 | 80.2 | 83.0 | 82.4 | 77.5 | 83.0 | 82.4 | 77.5 |
| (0. RAD/SEC) | 125 | 59.1 | 61.3 | 63.9 | 66.0 | 67.7 | 69.5 | 71.0 | 73.0 | 75.7 | 81.4 | 82.2 | 81.5 | 76.6 | 81.5 | 82.2 | 76.6 |
| (1. RPM) | 160 | 59.8 | 63.0 | 64.7 | 67.2 | 69.0 | 70.5 | 72.2 | 73.7 | 77.7 | 81.6 | 81.6 | 80.4 | 75.1 | 81.6 | 80.4 | 75.1 |
| (0. RAD/SEC) | 200 | 60.9 | 64.1 | 65.8 | 68.3 | 70.1 | 71.4 | 72.9 | 75.6 | 79.0 | 82.4 | 81.4 | 78.9 | 73.7 | 82.4 | 81.4 | 78.9 |
| (7500. RPM) | 250 | 62.2 | 65.2 | 67.4 | 69.2 | 70.5 | 72.3 | 73.8 | 76.0 | 78.9 | 82.8 | 80.3 | 77.4 | 72.6 | 82.8 | 80.3 | 77.4 |
| (785. RAD/SEC) | 315 | 62.0 | 65.5 | 68.8 | 69.6 | 70.7 | 72.9 | 74.2 | 77.1 | 80.3 | 82.1 | 80.5 | 78.8 | 72.3 | 80.5 | 78.8 | 72.3 |
| AIRFLOW RATIO | 400 | 61.9 | 65.8 | 67.6 | 69.4 | 71.2 | 73.5 | 74.0 | 76.9 | 80.3 | 82.1 | 80.4 | 79.6 | 73.8 | 80.4 | 79.6 | 73.8 |
| WF7/M 4.15 | 500 | 62.4 | 65.6 | 68.0 | 69.6 | 72.0 | 73.5 | 75.0 | 77.9 | 81.0 | 82.0 | 80.5 | 79.9 | 73.6 | 80.5 | 79.9 | 73.6 |
| VEHICLE | 630 | 61.8 | 64.9 | 68.4 | 70.3 | 71.4 | 72.9 | 75.1 | 77.8 | 80.6 | 81.8 | 80.7 | 79.7 | 72.4 | 80.7 | 79.7 | 72.4 |
| CONFIG | 800 | 61.4 | 65.4 | 67.7 | 69.9 | 72.1 | 73.4 | 74.8 | 77.4 | 80.5 | 81.3 | 80.8 | 79.3 | 70.6 | 80.8 | 79.3 | 70.6 |
| LOC C41 ANECH CH | 1000 | 60.2 | 64.4 | 66.8 | 68.3 | 71.0 | 72.3 | 74.2 | 77.3 | 79.3 | 80.3 | 78.8 | 76.4 | 65.7 | 79.3 | 78.8 | 76.4 |
| DATE 06-11-76 | 1250 | 61.2 | 65.9 | 67.1 | 68.5 | 70.0 | 71.8 | 73.7 | 76.8 | 77.9 | 78.3 | 77.1 | 73.3 | 62.2 | 77.1 | 73.3 | 62.2 |
| RLM CONF5VELJEPN | 1600 | 60.1 | 66.4 | 67.6 | 68.6 | 69.9 | 72.0 | 73.9 | 75.4 | 76.9 | 76.6 | 74.3 | 69.7 | 57.9 | 76.9 | 74.3 | 69.7 |
| TAPE | 2000 | 56.2 | 61.9 | 65.4 | 68.3 | 69.8 | 70.5 | 72.6 | 73.5 | 74.9 | 74.6 | 70.9 | 65.6 | 52.4 | 74.9 | 70.9 | 65.6 |
| FAN TIP SPEED | 2500 | 49.7 | 57.2 | 60.8 | 65.4 | 68.3 | 67.9 | 69.6 | 70.9 | 71.8 | 70.7 | 66.0 | 61.2 | 45.0 | 71.8 | 70.7 | 66.0 |
| FT/SEC | 3150 | 41.7 | 50.8 | 54.9 | 58.8 | 62.7 | 64.3 | 65.9 | 65.7 | 65.7 | 63.8 | 58.9 | 52.2 | 33.3 | 65.7 | 63.8 | 58.9 |
| | 4000 | 31.9 | 42.8 | 48.1 | 53.2 | 56.3 | 57.3 | 59.8 | 59.0 | 59.1 | 55.7 | 48.7 | 40.0 | 17.5 | 59.1 | 55.7 | 48.7 |
| | 5000 | 24.7 | 30.2 | 42.9 | 47.7 | 52.4 | 52.5 | 55.7 | 53.0 | 53.2 | 48.9 | 41.5 | 30.9 | 5.5 | 53.2 | 48.9 | 41.5 |
| | 6300 | 8.6 | 22.9 | 29.8 | 35.6 | 40.2 | 41.1 | 42.5 | 41.9 | 41.5 | 34.7 | 26.7 | 9.4 | | 41.5 | 34.7 | 26.7 |
| | 8000 | | 3.4 | 13.4 | 20.9 | 25.5 | 26.3 | 23.9 | 25.4 | 23.7 | 15.6 | 3.3 | | | 23.7 | 15.6 | 3.3 |
| | 10000 | | | | | 3.1 | 4.6 | 7.1 | 2.5 | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | |
| | 20000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 72.6 | 76.5 | 78.8 | 80.6 | 82.4 | 83.9 | 85.5 | 87.9 | 90.6 | 92.8 | 92.4 | 91.5 | 86.2 | | | |
| P.A.B | | 79.1 | 84.6 | 86.8 | 89.3 | 91.4 | 92.4 | 94.2 | 95.8 | 97.7 | 98.6 | 97.1 | 95.3 | 88.0 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 5110 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-.33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 27 HR. 5.5

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| NO EGA | | 53 | 57.3 | 59.4 | 62.0 | 64.7 | 65.5 | 66.7 | 68.0 | 69.7 | 72.0 | 74.9 | 77.3 |
| SIDELINE 2400. FT. | | 63 | 56.0 | 60.6 | 63.7 | 64.7 | 66.5 | 67.7 | 70.5 | 72.0 | 73.2 | 75.9 | 79.3 |
| (731.52 ft) | | 80 | 57.3 | 63.6 | 63.0 | 66.3 | 69.0 | 70.0 | 70.8 | 72.8 | 75.0 | 81.6 | 82.0 |
| MFA | | 100 | 59.9 | 62.8 | 65.7 | 66.5 | 69.0 | 70.0 | 71.0 | 73.5 | 76.5 | 83.3 | 84.2 |
| 1. RPM | | 125 | 59.9 | 62.6 | 64.9 | 67.2 | 68.7 | 70.8 | 71.7 | 74.0 | 76.9 | 82.1 | 85.3 |
| (0. RAD/SEC) | | 160 | 61.1 | 64.0 | 65.9 | 68.7 | 70.0 | 71.2 | 73.2 | 75.5 | 78.4 | 83.9 | 85.1 |
| NFK | | 200 | 62.4 | 65.4 | 67.3 | 69.3 | 71.1 | 72.9 | 74.4 | 76.6 | 80.0 | 83.7 | 84.1 |
| (0. RAD/SEC) | | 250 | 64.5 | 67.0 | 68.9 | 70.5 | 72.0 | 73.8 | 74.8 | 77.5 | 79.9 | 83.3 | 82.9 |
| NFD 7500. RPM | | 315 | 64.2 | 67.3 | 70.3 | 71.1 | 72.4 | 74.4 | 75.4 | 77.9 | 80.8 | 83.6 | 82.8 |
| (785. RAD/SEC) | | 400 | 64.1 | 66.8 | 68.6 | 70.9 | 72.5 | 74.8 | 75.5 | 77.9 | 81.6 | 82.6 | 83.8 |
| AIRFLOW RATIO | | 500 | 64.6 | 67.1 | 69.7 | 71.1 | 73.2 | 74.5 | 76.2 | 78.4 | 81.5 | 82.7 | 83.2 |
| WF/WH 4.18 | | 630 | 63.6 | 66.4 | 69.9 | 71.5 | 72.9 | 74.2 | 76.4 | 78.3 | 81.6 | 83.2 | 82.4 |
| VEHICLE CELL41 | | 800 | 63.7 | 66.9 | 69.0 | 70.9 | 72.6 | 73.6 | 75.8 | 78.7 | 81.2 | 83.5 | 80.0 |
| CONFIG NC54 | | 1000 | 61.9 | 65.4 | 68.3 | 70.1 | 72.0 | 73.5 | 75.5 | 78.6 | 80.0 | 81.3 | 81.8 |
| LOC C41 ANECH CH | | 1250 | 59.7 | 63.9 | 66.9 | 69.5 | 70.7 | 72.8 | 74.2 | 77.8 | 79.1 | 79.5 | 79.8 |
| DATE 06-11-76 | | 1600 | 57.1 | 62.2 | 65.4 | 67.9 | 70.6 | 72.2 | 74.9 | 75.9 | 77.4 | 77.6 | 76.0 |
| RUN CONFVELDEPN | | 2000 | 54.2 | 59.2 | 62.4 | 66.0 | 69.1 | 70.7 | 73.1 | 74.5 | 75.6 | 73.2 | 65.9 |
| TAPE X51120 | | 2500 | 49.2 | 57.2 | 59.8 | 63.1 | 66.6 | 67.7 | 69.8 | 71.6 | 72.3 | 71.2 | 68.0 |
| FAN TIP SPEED | | 3150 | 42.0 | 51.5 | 55.7 | 58.6 | 61.9 | 62.8 | 65.7 | 66.5 | 65.9 | 64.6 | 60.7 |
| FT/SEC | | 4000 | 33.1 | 43.6 | 49.1 | 53.9 | 56.3 | 57.0 | 60.3 | 59.5 | 59.8 | 56.7 | 51.4 |
| | | 5000 | 26.2 | 37.2 | 43.4 | 48.7 | 52.4 | 52.7 | 55.4 | 53.3 | 53.7 | 49.6 | 44.0 |
| | | 6300 | 9.6 | 23.2 | 30.5 | 36.3 | 40.7 | 41.3 | 42.0 | 41.9 | 41.5 | 35.4 | 29.0 |
| | | 8000 | 4.4 | 14.4 | 21.6 | 26.3 | 28.9 | 25.9 | 24.2 | 16.4 | 5.5 | | |
| | | 10000 | | | | 3.9 | 5.1 | 7.6 | 2.7 | 0.1 | | | |
| | | 12500 | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | |
| | | 20000 | | | | | | | | | | | |
| OVERALL CALCULATED | | | 74.0 | 77.2 | 79.7 | 81.6 | 83.4 | 85.0 | 86.6 | 89.0 | 91.5 | 93.7 | 94.8 |
| P-10B | | | 79.2 | 83.3 | 86.3 | 88.9 | 91.4 | 92.9 | 95.0 | 96.8 | 98.4 | 99.4 | 98.3 |

CONFIGURATION 5 TEST POINT 5112 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

ANECHOIC JET NOISE TEST FACILITY RESULTS

431

SIZE
FULL-.33m²(53in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | C. | U. | O. | D. |
| FREQ. | (0.73) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | 50 | 58.0 | 60.9 | 63.2 | 65.5 | 66.7 | 68.0 | 69.2 | 71.5 | 72.7 | 75.9 | 78.1 | 80.5 | 79.1 | | | |
| (731.52 M) | 60 | 57.0 | 61.9 | 65.0 | 65.7 | 67.5 | 68.5 | 70.7 | 72.2 | 74.0 | 77.2 | 82.6 | 83.5 | 80.3 | | | |
| NFA | 80 | 59.0 | 64.9 | 67.8 | 67.0 | 69.8 | 71.0 | 71.5 | 73.3 | 75.5 | 80.0 | 84.3 | 85.7 | 81.9 | | | |
| (1. RPM | 100 | 60.9 | 63.8 | 67.2 | 66.2 | 69.5 | 70.5 | 71.6 | 74.5 | 76.7 | 82.2 | 86.8 | 86.9 | 82.5 | | | |
| (0. RAD/SEC) | 125 | 61.6 | 64.1 | 66.7 | 68.2 | 69.2 | 71.3 | 72.7 | 75.2 | 78.2 | 83.9 | 87.5 | 88.0 | 82.6 | | | |
| YFC | 160 | 62.6 | 65.8 | 67.7 | 69.7 | 71.0 | 72.5 | 74.7 | 76.5 | 79.7 | 84.3 | 87.4 | 88.1 | 82.9 | | | |
| (0. RAD/SEC) | 200 | 64.1 | 66.6 | 69.0 | 70.3 | 72.1 | 73.6 | 75.1 | 77.6 | 80.8 | 84.7 | 87.9 | 88.1 | 83.2 | | | |
| MFO | 250 | 67.2 | 69.5 | 71.2 | 72.3 | 72.8 | 74.3 | 75.8 | 78.2 | 81.2 | 84.6 | 86.5 | 87.1 | 82.6 | | | |
| (785. RAD/SEC) | 315 | 67.0 | 70.3 | 72.5 | 73.4 | 74.2 | 75.9 | 76.9 | 79.4 | 82.0 | 84.1 | 86.3 | 88.0 | 82.0 | | | |
| AIRFLOW RATIO | 400 | 74.1 | 74.0 | 73.1 | 73.7 | 73.7 | 75.8 | 76.2 | 78.4 | 82.1 | 83.6 | 85.4 | 87.6 | 81.0 | | | |
| WFMW 4.12 | 500 | 76.4 | 76.6 | 77.2 | 76.6 | 75.2 | 75.2 | 77.2 | 79.6 | 82.2 | 83.2 | 85.7 | 86.4 | 78.1 | | | |
| VEHICLE | 600 | 73.8 | 77.2 | 78.9 | 79.8 | 78.4 | 77.2 | 77.6 | 79.8 | 81.9 | 82.3 | 85.7 | 83.7 | 73.9 | | | |
| CONFIG | 800 | 70.2 | 74.2 | 76.2 | 78.4 | 80.3 | 79.4 | 77.3 | 79.2 | 81.7 | 82.1 | 85.5 | 80.8 | 70.6 | | | |
| LOC C41 ANECH CH | 1000 | 67.4 | 70.4 | 73.0 | 75.3 | 77.0 | 78.3 | 78.7 | 79.6 | 80.5 | 81.3 | 82.5 | 77.4 | 66.2 | | | |
| DATE 06-11-76 | 1250 | 64.9 | 68.6 | 71.6 | 73.3 | 74.2 | 76.3 | 78.2 | 79.5 | 79.4 | 79.5 | 79.6 | 74.6 | 62.4 | | | |
| RUN CONFSELDEPM | 1600 | 61.9 | 65.9 | 69.1 | 71.6 | 73.9 | 75.5 | 76.9 | 78.9 | 78.4 | 77.6 | 76.5 | 71.5 | 58.4 | | | |
| TAPE X51150 | 2000 | 58.2 | 62.9 | 65.9 | 69.5 | 71.6 | 73.5 | 75.3 | 76.5 | 77.1 | 75.9 | 73.2 | 67.1 | 52.6 | | | |
| FAX TIP SPEED | 2500 | 52.9 | 59.2 | 63.1 | 66.4 | 66.8 | 69.9 | 71.8 | 73.1 | 73.6 | 72.0 | 68.5 | 61.9 | 45.3 | | | |
| FT/SEC | 3150 | 44.7 | 53.3 | 57.4 | 61.6 | 63.9 | 65.1 | 67.4 | 67.2 | 67.2 | 65.3 | 61.4 | 53.7 | 33.6 | | | |
| | 4000 | 35.6 | 44.6 | 50.1 | 54.9 | 53.3 | 58.8 | 61.3 | 60.7 | 60.6 | 56.7 | 51.7 | 41.5 | 17.6 | | | |
| | 5000 | 29.2 | 38.5 | 44.9 | 49.7 | 54.2 | 54.2 | 56.4 | 54.3 | 54.7 | 49.6 | 44.5 | 33.7 | 6.2 | | | |
| | 6000 | 13.4 | 25.2 | 32.3 | 38.1 | 42.2 | 42.6 | 43.7 | 42.9 | 43.0 | 35.7 | 29.7 | 11.7 | | | | |
| | 8000 | | 6.6 | 16.6 | 22.6 | 28.6 | 29.0 | 29.9 | 26.9 | 24.7 | 16.6 | 6.5 | | | | | |
| | 10000 | | | | 1.7 | 7.1 | 8.1 | 4.5 | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 20000 | 81.3 | 83.3 | 84.8 | 86.1 | 86.7 | 87.4 | 88.3 | 90.2 | 92.2 | 94.5 | 97.3 | 97.6 | 92.3 | | | |
| PAGE | | 87.1 | 89.5 | 91.6 | 93.3 | 94.4 | 95.4 | 96.9 | 98.4 | 99.6 | 100.0 | 101.6 | 101.2 | 94.0 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 5/13 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PRUC. DATE - MONTH 8 DAY 27 HR. 11.9
F. 70 PERCENT REL. HUM. DAY - JENOTS)

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

| REQ. NO. | NO. EGA | NO. J. | NO. 40. | NO. 12. | NO. 10. | NO. 8. | NO. 6. | NO. 4. | NO. 2. | NO. 0. | NO. 1. | NO. 3. | NO. 5. | NO. 7. | NO. 9. | NO. 11. | NO. 13. | NO. 15. | NO. 17. | NO. 19. | NO. 21. | NO. 23. | NO. 25. | NO. 27. | NO. 29. | NO. 31. | NO. 33. | NO. 35. | NO. 37. | NO. 39. | NO. 41. | NO. 43. | NO. 45. | NO. 47. | NO. 49. | NO. 51. | NO. 53. | NO. 55. | NO. 57. | NO. 59. | NO. 61. | NO. 63. | NO. 65. | NO. 67. | NO. 69. | NO. 71. | NO. 73. | NO. 75. | NO. 77. | NO. 79. | NO. 81. | NO. 83. | NO. 85. | NO. 87. | NO. 89. | NO. 91. | NO. 93. | NO. 95. | NO. 97. | NO. 99. | NO. 101. | NO. 103. | NO. 105. | NO. 107. | NO. 109. | NO. 111. | NO. 113. | NO. 115. | NO. 117. | NO. 119. | NO. 121. | NO. 123. | NO. 125. | NO. 127. | NO. 129. | NO. 131. | NO. 133. | NO. 135. | NO. 137. | NO. 139. | NO. 141. | NO. 143. | NO. 145. | NO. 147. | NO. 149. | NO. 151. | NO. 153. | NO. 155. | NO. 157. | NO. 159. | NO. 161. | NO. 163. | NO. 165. | NO. 167. | NO. 169. | NO. 171. | NO. 173. | NO. 175. | NO. 177. | NO. 179. | NO. 181. | NO. 183. | NO. 185. | NO. 187. | NO. 189. | NO. 191. | NO. 193. | NO. 195. | NO. 197. | NO. 199. | NO. 201. | NO. 203. | NO. 205. | NO. 207. | NO. 209. | NO. 211. | NO. 213. | NO. 215. | NO. 217. | NO. 219. | NO. 221. | NO. 223. | NO. 225. | NO. 227. | NO. 229. | NO. 231. | NO. 233. | NO. 235. | NO. 237. | NO. 239. | NO. 241. | NO. 243. | NO. 245. | NO. 247. | NO. 249. | NO. 251. | NO. 253. | NO. 255. | NO. 257. | NO. 259. | NO. 261. | NO. 263. | NO. 265. | NO. 267. | NO. 269. | NO. 271. | NO. 273. | NO. 275. | NO. 277. | NO. 279. | NO. 281. | NO. 283. | NO. 285. | NO. 287. | NO. 289. | NO. 291. | NO. 293. | NO. 295. | NO. 297. | NO. 299. | NO. 301. | NO. 303. | NO. 305. | NO. 307. | NO. 309. | NO. 311. | NO. 313. | NO. 315. | NO. 317. | NO. 319. | NO. 321. | NO. 323. | NO. 325. | NO. 327. | NO. 329. | NO. 331. | NO. 333. | NO. 335. | NO. 337. | NO. 339. | NO. 341. | NO. 343. | NO. 345. | NO. 347. | NO. 349. | NO. 351. | NO. 353. | NO. 355. | NO. 357. | NO. 359. | NO. 361. | NO. 363. | NO. 365. | NO. 367. | NO. 369. | NO. 371. | NO. 373. | NO. 375. | NO. 377. | NO. 379. | NO. 381. | NO. 383. | NO. 385. | NO. 387. | NO. 389. | NO. 391. | NO. 393. | NO. 395. | NO. 397. | NO. 399. | NO. 401. | NO. 403. | NO. 405. | NO. 407. | NO. 409. | NO. 411. | NO. 413. | NO. 415. | NO. 417. | NO. 419. | NO. 421. | NO. 423. | NO. 425. | NO. 427. | NO. 429. | NO. 431. | NO. 433. | NO. 435. | NO. 437. | NO. 439. | NO. 441. | NO. 443. | NO. 445. | NO. 447. | NO. 449. | NO. 451. | NO. 453. | NO. 455. | NO. 457. | NO. 459. | NO. 461. | NO. 463. | NO. 465. | NO. 467. | NO. 469. | NO. 471. | NO. 473. | NO. 475. | NO. 477. | NO. 479. | NO. 481. | NO. 483. | NO. 485. | NO. 487. | NO. 489. | NO. 491. | NO. 493. | NO. 495. | NO. 497. | NO. 499. | NO. 501. | NO. 503. | NO. 505. | NO. 507. | NO. 509. | NO. 511. | NO. 513. | NO. 515. | NO. 517. | NO. 519. | NO. 521. | NO. 523. | NO. 525. | NO. 527. | NO. 529. | NO. 531. | NO. 533. | NO. 535. | NO. 537. | NO. 539. | NO. 541. | NO. 543. | NO. 545. | NO. 547. | NO. 549. | NO. 551. | NO. 553. | NO. 555. | NO. 557. | NO. 559. | NO. 561. | NO. 563. | NO. 565. | NO. 567. | NO. 569. | NO. 571. | NO. 573. | NO. 575. | NO. 577. | NO. 579. | NO. 581. | NO. 583. | NO. 585. | NO. 587. | NO. 589. | NO. 591. | NO. 593. | NO. 595. | NO. 597. | NO. 599. | NO. 601. | NO. 603. | NO. 605. | NO. 607. | NO. 609. | NO. 611. | NO. 613. | NO. 615. | NO. 617. | NO. 619. | NO. 621. | NO. 623. | NO. 625. | NO. 627. | NO. 629. | NO. 631. | NO. 633. | NO. 635. | NO. 637. | NO. 639. | NO. 641. | NO. 643. | NO. 645. | NO. 647. | NO. 649. | NO. 651. | NO. 653. | NO. 655. | NO. 657. | NO. 659. | NO. 661. | NO. 663. | NO. 665. | NO. 667. | NO. 669. | NO. 671. | NO. 673. | NO. 675. | NO. 677. | NO. 679. | NO. 681. | NO. 683. | NO. 685. | NO. 687. | NO. 689. | NO. 691. | NO. 693. | NO. 695. | NO. 697. | NO. 699. | NO. 701. | NO. 703. | NO. 705. | NO. 707. | NO. 709. | NO. 711. | NO. 713. | NO. 715. | NO. 717. | NO. 719. | NO. 721. | NO. 723. | NO. 725. | NO. 727. | NO. 729. | NO. 731. | NO. 733. | NO. 735. | NO. 737. | NO. 739. | NO. 741. | NO. 743. | NO. 745. | NO. 747. | NO. 749. | NO. 751. | NO. 753. | NO. 755. | NO. 757. | NO. 759. | NO. 761. | NO. 763. | NO. 765. | NO. 767. | NO. 769. | NO. 771. | NO. 773. | NO. 775. | NO. 777. | NO. 779. | NO. 781. | NO. 783. | NO. 785. | NO. 787. | NO. 789. | NO. 791. | NO. 793. | NO. 795. | NO. 797. | NO. 799. | NO. 801. | NO. 803. | NO. 805. | NO. 807. | NO. 809. | NO. 811. | NO. 813. | NO. 815. | NO. 817. | NO. 819. | NO. 821. | NO. 823. | NO. 825. | NO. 827. | NO. 829. | NO. 831. | NO. 833. | NO. 835. | NO. 837. | NO. 839. | NO. 841. | NO. 843. | NO. 845. | NO. 847. | NO. 849. | NO. 851. | NO. 853. | NO. 855. | NO. 857. | NO. 859. | NO. 861. | NO. 863. | NO. 865. | NO. 867. | NO. 869. | NO. 871. | NO. 873. | NO. 875. | NO. 877. | NO. 879. | NO. 881. | NO. 883. | NO. 885. | NO. 887. | NO. 889. | NO. 891. | NO. 893. | NO. 895. | NO. 897. | NO. 899. | NO. 901. | NO. 903. | NO. 905. | NO. 907. | NO. 909. | NO. 911. | NO. 913. | NO. 915. | NO. 917. | NO. 919. | NO. 921. | NO. 923. | NO. 925. | NO. 927. | NO. 929. | NO. 931. | NO. 933. | NO. 935. | NO. 937. | NO. 939. | NO. 941. | NO. 943. | NO. 945. | NO. 947. | NO. 949. | NO. 951. | NO. 953. | NO. 955. | NO. 957. | NO. 959. | NO. 961. | NO. 963. | NO. 965. | NO. 967. | NO. 969. | NO. 971. | NO. 973. | NO. 975. | NO. 977. | NO. 979. | NO. 981. | NO. 983. | NO. 985. | NO. 987. | NO. 989. | NO. 991. | NO. 993. | NO. 995. | NO. 997. | NO. 999. | NO. 1001. | NO. 1003. | NO. 1005. | NO. 1007. | NO. 1009. | NO. 1011. | NO. 1013. | NO. 1015. | NO. 1017. | NO. 1019. | NO. 1021. | NO. 1023. | NO. 1025. | NO. 1027. | NO. 1029. | NO. 1031. | NO. 1033. | NO. 1035. | NO. 1037. | NO. 1039. | NO. 1041. | NO. 1043. | NO. 1045. | NO. 1047. | NO. 1049. | NO. 1051. | NO. 1053. | NO. 1055. | NO. 1057. | NO. 1059. | NO. 1061. | NO. 1063. | NO. 1065. | NO. 1067. | NO. 1069. | NO. 1071. | NO. 1073. | NO. 1075. | NO. 1077. | NO. 1079. | NO. 1081. | NO. 1083. | NO. 1085. | NO. 1087. | NO. 1089. | NO. 1091. | NO. 1093. | NO. 1095. | NO. 1097. | NO. 1099. | NO. 1101. | NO. 1103. | NO. 1105. | NO. 1107. | NO. 1109. | NO. 1111. | NO. 1113. | NO. 1115. | NO. 1117. | NO. 1119. | NO. 1121. | NO. 1123. | NO. 1125. | NO. 1127. | NO. 1129. | NO. 1131. | NO. 1133. | NO. 1135. | NO. 1137. | NO. 1139. | NO. 1141. | NO. 1143. | NO. 1145. | NO. 1147. | NO. 1149. | NO. 1151. | NO. 1153. | NO. 1155. | NO. 1157. | NO. 1159. | NO. 1161. | NO. 1163. | NO. 1165. | NO. 1167. | NO. 1169. | NO. 1171. | NO. 1173. | NO. 1175. | NO. 1177. | NO. 1179. | NO. 1181. | NO. 1183. | NO. 1185. | NO. 1187. | NO. 1189. | NO. 1191. | NO. 1193. | NO. 1195. | NO. 1197. | NO. 1199. | NO. 1201. | NO. 1203. | NO. 1205. | NO. 1207. | NO. 1209. | NO. 1211. | NO. 1213. | NO. 1215. | NO. 1217. | NO. 1219. | NO. 1221. | NO. 1223. | NO. 1225. | NO. 1227. | NO. 1229. | NO. 1231. | NO. 1233. | NO. 1235. | NO. 1237. | NO. 1239. | NO. 1241. | NO. 1243. | NO. 1245. | NO. 1247. | NO. 1249. | NO. 1251. | NO. 1253. | NO. 1255. | NO. 1257. | NO. 1259. | NO. 1261. | NO. 1263. | NO. 1265. | NO. 1267. | NO. 1269. | NO. 1271. | NO. 1273. | NO. 1275. | NO. 1277. | NO. 1279. | NO. 1281. | NO. 1283. | NO. 1285. | NO. 1287. | NO. 1289. | NO. 1291. | NO. 1293. | NO. 1295. | NO. 1297. | NO. 1299. | NO. 1301. | NO. 1303. | NO. 1305. | NO. 1307. | NO. 1309. | NO. 1311. | NO. 1313. | NO. 1315. | NO. 1317. | NO. 1319. | NO. 1321. | NO. 1323. | NO. 1325. | NO. 1327. | NO. 1329. | NO. 1331. | NO. 1333. | NO. 1335. | NO. 1337. | NO. 1339. | NO. 1341. | NO. 1343. | NO. 1345. | NO. 1347. | NO. 1349. | NO. 1351. | NO. 1353. | NO. 1355. | NO. 1357. | NO. 1359. | NO. 1361. | NO. 1363. | NO. 1365. | NO. 1367. | NO. 1369. | NO. 1371. | NO. 1373. | NO. 1375. | NO. 1377. | NO. 1379. | NO. 1381. | NO. 1383. | NO. 1385. | NO. 1387. | NO. 1389. | NO. 1391. | NO. 1393. | NO. 1395. | NO. 1397. | NO. 1399. | NO. 1401. | NO. 1403. | NO. 1405. | NO. 1407. | NO. 1409. | NO. 1411. | NO. 1413. | NO. 1415. | NO. 1417. | NO. 1419. | NO. 1421. | NO. 1423. | NO. 1425. | NO. 1427. | NO. 1429. | NO. 1431. | NO. 1433. | NO. 1435. | NO. 1437. | NO. 1439. | NO. 1441. | NO. 1443. | NO. 1445. | NO. 1447. | NO. 1449. | NO. 1451. | NO. 1453. | NO. 1455. | NO. 1457. | NO. 1459. | NO. 1461. | NO. 1463. | NO. 1465. | NO. 1467. | NO. 1469. | NO. 1471. | NO. 1473. | NO. 1475. | NO. 1477. | NO. 1479. | NO. 1481. | NO. 1483. | NO. 1485. | NO. 1487. | NO. 1489. | NO. 1491. | NO. 1493. | NO. 1495. | NO. 1497. | NO. 1499. | NO. 1501. | NO. 1503. | NO. 1505. | NO. 1507. | NO. 1509. | NO. 1511. | NO. 1513. | NO. 1515. | NO. 1517. | NO. 1519. | NO. 1521. | NO. 1523. | NO. 1525. | NO. 1527. | NO. 1529. | NO. 1531. | NO. 1533. | NO. 1535. | NO. 1537. | NO. 1539. | NO. 1541. | NO. 1543. | NO. 1545. | NO. 1547. | NO. 1549. | NO. 1551. | NO. 1553. | NO. 1555. | NO. 1557. | NO. 1559. | NO. 1561. | NO. 1563. | NO. 1565. | NO. 1567. | NO. 1569. | NO. 1571. | NO. 1573. | NO. 1575. | NO. 1577. | NO. 1579. | NO. 1581. | NO. 1583. | NO. 1585. | NO. 1587. | NO. 1589. | NO. 1591. | NO. 1593. | NO. 1595. | NO. 1597. | NO. 1599. | NO. 1601. | NO. 1603. | NO. 1605. | NO. 1607. | NO. 1609. | NO. 1611. | NO. 1613. | NO. 1615. | NO. 1617. | NO. 1619. | NO. 1621. | NO. 1623. | NO. 1625. | NO. 1627. | NO. 1629. | NO. 1631. | NO. 1633. | NO. 1635. | NO. 1637. | NO. 1639. | NO. 1641. | NO. 1643. | NO. 1645. | NO. 1647. | NO. 1649. | NO. 1651. | NO. 1653. | NO. 1655. | NO. 1657. | NO. 1659. | NO. 1661. | NO. 1663. | NO. 1665. | NO. 1667. | NO. 1669. | NO. 1671. | NO. 1673. | NO. 1675. | NO. 1677. | NO. 1679. | NO. 1681. | NO. 1683. | NO. 1685. | NO. 1687. | NO. 1689. | NO. 1691. | NO. 1693. | NO. 1695. | NO. 1697. | NO. 1699. | NO. 1701. | NO. 1703. | NO. 1705. | NO. 1707. | NO. 1709. | NO. 1711. | NO. 1713. | NO. 1715. | NO. 1717. | NO. 1719. | NO. 1721. | NO. 1723. | NO. 1725. | NO. 1727. | NO. 1729. | NO. 1731. | NO. 1733. | NO. 1735. | NO. 1737. | NO. 1739. | NO. 1741. | NO. 1743. | NO. 1745. | NO. 1747. | NO. 1749. | NO. 1751. | NO. 1753. | NO. 1755. | NO. 1757. | NO. 1759. | NO. 1761. | NO. 1763. | NO. 1765. | NO. 1767. | NO. 1769. | NO. 1771. | NO. 1773. | NO. 1775. | NO. 1777. | NO. 1779. | NO. 1781. | NO. 1783. | NO. 1785. | NO. 1787. | NO. 1789. | NO. 1791. | NO. 1793. | NO. 1795. | NO. 1797. | NO. 1799. | NO. 1801. | NO. 1803. | NO. 1805. | NO. 1807. | NO. 1809. | NO. 1811. | NO. 1813. | NO. 1815. | NO. 1817. | NO. 1819. | NO. 1821. | NO. 1823. | NO. 1825. | NO. 1827. | NO. 1829. | NO. 1831. | NO. 1833. | NO. 1835. | NO. 1837. | NO. 1839. | NO. 1841. | NO. 1843. | NO. 1845. | NO. 1847. | NO. 1849. | NO. 1851. | NO. 1853. | NO. 1855. | NO. 1857. | NO. 1859. | NO. 1861. | NO. 1863. | NO. 1865. | NO. 1867. | NO. 1869. | NO. 1871. | NO. 1873. | NO. 1875. | NO. 1877. | NO. 1879. | NO. 1881. | NO. 1883. | NO. 1885. | NO. 1887. | NO. 1889. | NO. 1891. | NO. 1893. | NO. 1895. | NO. 1897. | NO. 1899. | NO. 1901. | NO. 1903. | NO. 1905. | NO. 1907. | NO. 1909. | NO. 1911. | NO. 1913. | NO. 1915. | NO. 1917. | NO. 1919. | NO. 1921. | NO. 1923. | NO. 1925. | NO. 1927. | NO. 1929. | NO. 1931. | NO. 1933. | NO. 1935. | NO. 1937. | NO. 1939. | NO. 1941. | NO. 1943. | NO. 1945. | NO. 1947. | NO. 1949. | NO. 1951. | NO. 1953. | NO. 1955. | NO. 1957. | NO. 1959. | NO. 1961. | NO. 1963. | NO. 1965. | NO. 1967. | NO. 1969. | NO. 1971. | NO. 1973. | NO. 1975. | NO. 1977. | NO. 1979. | NO. 1981. | NO. 1983. | NO. 1985. | NO. 1987. | NO. 1989. | NO. 1991. | NO. 1993. | NO. 1995. | NO. 1997. | NO. 1999. | NO. 2001. | NO. 2003. | NO. 2005. | NO. 2007. | NO. 2009. | NO. 2011. | NO. 2013. | NO. 2015. | NO. 2017. | NO. 2019. | NO. 2021. | NO. 2023. | NO. 2025. | NO. 2027. | NO. 2029. | NO. 2031. | NO. 2033. | NO. 2035. | NO. 2037. | NO. 2039. | NO. 2041. | NO. 2043. | NO. 2045. | NO. 2047. | NO. 2049. | NO. 2051. | NO. 2053. | NO. 2055. | NO. 2057. | NO. 2059. | NO. 2061. | NO. 2063. | NO. 2065. | NO. 2067. | NO. 2069. | NO. 2071. | NO. 2073. | NO. 2075. | NO. 2077. | NO. 2079. | NO. 2081. | NO. 2083. | NO. 2085. | NO. 2087. | NO. 2089. | NO. 2091. | NO. 2093. | NO. 2095. | NO. 2097. | NO. 2099. | NO. 2101. | NO. 2103. | NO. 2105. | NO. 2107. | NO. 2109. | NO. 2111. | NO. 2113. | NO. 2115. | NO. 2117. | NO. 2119. | NO. 2121. | NO. 2123. | NO. 2125. |
|----------|---------|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 5 | 5114 | 12.2m(40ft.) ARC | MODEL-190cm ² (29.4in ²) |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ANGLES FROM | | | | | | | | | | | | | | | |
| 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | | | | | | |
| 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00) | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | | | | | | |
| 50 84.0 85.0 86.0 87.5 88.6 89.7 91.4 93.5 97.5 100.8 95.0 108.2 109.0 152.8 | | | | | | | | | | | | | | | |
| 63 83.3 85.5 87.5 88.6 89.2 91.0 93.4 95.3 98.5 103.3 99.1 110.5 110.8 154.9 | | | | | | | | | | | | | | | |
| 80 84.9 89.1 88.1 90.4 92.3 93.1 95.0 96.9 100.6 105.9 100.9 113.3 112.9 157.3 | | | | | | | | | | | | | | | |
| 100 87.1 88.7 90.2 91.2 91.8 93.2 94.8 97.9 102.4 108.2 102.9 113.9 112.9 158.1 | | | | | | | | | | | | | | | |
| 125 87.7 88.5 90.0 90.8 92.6 94.7 95.6 98.5 103.0 109.3 103.3 114.7 113.2 158.8 | | | | | | | | | | | | | | | |
| 160 86.3 90.8 91.1 92.4 94.2 95.1 97.7 99.9 104.3 109.4 101.9 113.3 111.8 158.2 | | | | | | | | | | | | | | | |
| 200 90.1 91.6 91.9 93.6 95.2 96.6 98.7 101.1 106.1 110.2 101.6 111.8 110.9 158.0 | | | | | | | | | | | | | | | |
| 250 91.7 93.2 93.9 95.0 95.8 97.4 100.1 102.5 106.7 109.8 100.7 110.1 109.7 157.6 | | | | | | | | | | | | | | | |
| 315 91.7 93.8 95.0 96.1 96.4 98.0 100.2 103.3 107.8 110.4 101.3 111.7 110.0 158.5 | | | | | | | | | | | | | | | |
| 400 91.8 93.9 94.1 96.7 97.5 98.6 100.8 103.4 108.4 110.5 101.4 112.1 111.4 155.9 | | | | | | | | | | | | | | | |
| 500 92.1 93.7 94.9 96.0 97.8 99.2 101.8 104.7 108.7 110.5 101.5 111.6 110.4 159.0 | | | | | | | | | | | | | | | |
| 630 92.5 94.5 95.6 96.8 97.7 99.0 101.4 105.3 109.1 110.6 101.3 112.3 113.0 159.2 | | | | | | | | | | | | | | | |
| 800 92.7 94.5 96.1 97.3 98.4 99.5 102.2 106.1 109.1 111.4 101.9 111.8 109.3 159.1 | | | | | | | | | | | | | | | |
| 1000 92.1 94.4 96.1 97.2 98.3 99.9 102.5 106.4 108.4 111.5 101.4 110.6 107.1 158.9 | | | | | | | | | | | | | | | |
| 1250 92.7 95.7 96.8 98.0 98.4 100.2 102.6 106.3 108.7 110.3 100.0 109.4 105.9 159.0 | | | | | | | | | | | | | | | |
| 1600 92.8 97.4 98.4 98.7 99.5 101.6 103.8 106.7 108.7 110.3 100.0 109.4 105.9 159.2 | | | | | | | | | | | | | | | |
| 2000 92.2 96.8 98.6 100.1 100.7 101.6 104.9 106.9 108.6 110.5 99.4 108.8 105.3 158.4 | | | | | | | | | | | | | | | |
| 2500 90.1 94.7 97.5 100.2 101.8 101.4 104.1 106.2 108.0 108.7 97.8 107.4 104.9 157.2 | | | | | | | | | | | | | | | |
| 3150 88.0 92.5 95.1 97.8 100.1 100.7 104.1 104.4 106.3 106.8 96.4 106.5 103.2 156.6 | | | | | | | | | | | | | | | |
| 4000 86.4 91.5 93.9 97.1 99.4 100.0 103.9 103.6 105.6 105.4 95.2 104.8 102.0 154.9 | | | | | | | | | | | | | | | |
| 5000 84.0 88.8 92.1 95.3 99.0 98.6 102.3 100.8 103.9 103.1 92.3 102.7 100.4 152.8 | | | | | | | | | | | | | | | |
| 6300 81.9 87.2 89.5 92.9 95.8 95.8 97.6 99.0 102.3 100.7 91.2 98.3 97.7 152.8 | | | | | | | | | | | | | | | |
| 8000 80.4 85.5 89.1 92.1 94.8 94.6 98.0 97.3 100.6 99.4 89.4 100.1 96.3 151.7 | | | | | | | | | | | | | | | |
| 10000 76.2 82.0 86.9 89.7 91.5 92.0 94.7 94.4 98.1 98.9 87.8 97.2 94.0 149.6 | | | | | | | | | | | | | | | |
| 12500 71.5 76.8 81.8 84.6 85.9 87.0 88.8 89.8 95.0 96.2 85.4 92.9 89.6 149.3 | | | | | | | | | | | | | | | |
| 16000 67.2 72.6 77.9 80.2 81.4 83.1 83.7 86.4 91.7 93.7 82.8 89.1 85.9 153.7 | | | | | | | | | | | | | | | |
| 20000 67.3 72.1 77.4 77.1 81.6 82.9 84.4 83.5 92.5 95.1 83.5 87.4 85.2 171.6 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED 103.6 106.6 108.1 109.7 111.2 112.1 114.8 117.1 120.1 122.6 113.8 124.3 122.9 131.3 | | | | | | | | | | | | | | | |
| PROB 114.6 118.5 120.6 122.8 124.4 124.9 127.9 129.5 132.0 133.4 123.6 133.5 131.3 | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 5/14 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 5 | 5114 | 731.5m(2400ft.) | FULL-33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.8
 DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. PwL
 FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) (3.0) (3.0))

| RDG. NO. | NO. EGA | 33.1 | 81.1 | 83.9 | 86.9 | 89.9 | 91.2 | 92.3 | 91.7 | 92.6 | 93.5 | 93.9 | 95.5 | 99.9 | 99.9 | 102.4 | 137.3 |
|--------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RADIAL (12. N) | 40. FT. | 81.1 | 86.4 | 86.9 | 86.9 | 88.9 | 88.9 | 90.8 | 92.1 | 93.0 | 94.2 | 93.1 | 92.7 | 100.9 | 103.1 | 103.1 | 137.9 |
| VEHICLE | CELL 41 | 80.9 | 83.9 | 87.7 | 87.5 | 87.5 | 88.1 | 88.1 | 88.4 | 88.8 | 90.7 | 92.2 | 97.2 | 102.4 | 103.9 | 105.2 | 138.7 |
| CONFIG | NC54 | 84.3 | 84.8 | 86.3 | 87.8 | 87.8 | 89.0 | 89.0 | 90.9 | 93.1 | 93.1 | 95.8 | 100.6 | 104.3 | 104.5 | 109.5 | 142.2 |
| LQC | C41 ANECH CH | 83.1 | 85.8 | 87.3 | 87.9 | 89.5 | 91.3 | 92.7 | 93.8 | 96.0 | 96.0 | 98.9 | 104.5 | 110.2 | 112.9 | 112.4 | 146.4 |
| GATE | C6-11-76 | 86.7 | 88.4 | 87.7 | 89.5 | 91.3 | 92.7 | 93.8 | 96.0 | 96.8 | 100.5 | 106.3 | 111.7 | 113.7 | 112.5 | 147.3 | 146.4 |
| RUN | CONFSVELDEPH | 86.9 | 88.0 | 89.0 | 90.3 | 91.8 | 93.2 | 93.8 | 96.8 | 100.5 | 106.3 | 111.7 | 113.7 | 112.5 | 147.3 | 147.3 | 146.4 |
| TAPE | X51150 | 87.3 | 88.0 | 89.0 | 90.3 | 91.4 | 93.5 | 94.9 | 97.8 | 101.0 | 107.4 | 111.3 | 113.5 | 112.3 | 147.3 | 147.3 | 146.4 |
| BAR | 29.2 HG | 88.6 | 89.6 | 90.4 | 92.4 | 93.3 | 94.9 | 96.5 | 98.7 | 102.7 | 108.0 | 110.9 | 112.6 | 111.6 | 147.3 | 147.3 | 146.4 |
| | (98739. N/M2) | 89.4 | 91.4 | 91.7 | 93.2 | 94.3 | 95.9 | 97.5 | 100.2 | 104.7 | 109.2 | 113.4 | 111.1 | 111.2 | 146.9 | 146.9 | 146.7 |
| TAPER | 90. DEG F | 91.5 | 92.0 | 93.3 | 94.3 | 95.4 | 97.0 | 98.4 | 101.5 | 105.3 | 109.1 | 110.0 | 110.0 | 110.7 | 146.7 | 146.7 | 147.3 |
| | (305. DEG K) | 91.3 | 92.8 | 94.6 | 95.1 | 96.0 | 97.3 | 99.3 | 102.6 | 106.6 | 108.9 | 109.9 | 111.5 | 111.1 | 147.3 | 147.3 | 148.6 |
| TWET | 76. DEG F | 92.2 | 93.4 | 94.0 | 95.0 | 96.3 | 98.4 | 99.3 | 102.2 | 107.2 | 109.5 | 110.7 | 112.2 | 112.7 | 148.6 | 148.6 | 148.6 |
| | (297. DEG K) | 92.7 | 93.7 | 95.0 | 95.5 | 97.6 | 98.5 | 100.1 | 103.5 | 107.5 | 109.3 | 111.5 | 113.7 | 113.0 | 148.8 | 148.8 | 149.2 |
| HACT | 17.67 GM/M3 | 92.8 | 93.9 | 95.4 | 96.2 | 97.5 | 99.1 | 101.5 | 103.9 | 107.9 | 109.2 | 112.4 | 114.3 | 112.4 | 149.2 | 149.2 | 149.2 |
| | (.01767 KG/M3) | 93.8 | 95.1 | 95.9 | 96.6 | 98.5 | 99.1 | 101.0 | 104.6 | 108.4 | 110.0 | 113.9 | 114.3 | 112.1 | 149.8 | 149.8 | 149.1 |
| FREQ. | SHIFT | 95.1 | 96.4 | 96.2 | 96.4 | 98.0 | 99.1 | 101.3 | 105.2 | 107.9 | 110.0 | 113.7 | 112.3 | 108.1 | 149.1 | 149.1 | 148.6 |
| JET | O | 97.7 | 97.3 | 97.5 | 97.3 | 97.6 | 99.5 | 101.4 | 105.3 | 107.5 | 109.4 | 113.1 | 110.7 | 107.5 | 148.6 | 148.6 | 148.2 |
| DIAMETER | RATIO | 95.6 | 98.1 | 99.9 | 99.9 | 99.5 | 100.6 | 102.2 | 104.6 | 107.9 | 109.3 | 111.4 | 109.8 | 106.8 | 148.2 | 148.2 | 147.6 |
| | 1.03 | 93.0 | 95.4 | 96.7 | 99.9 | 100.8 | 100.6 | 102.5 | 104.7 | 106.6 | 107.8 | 108.2 | 107.6 | 104.3 | 147.1 | 147.1 | 147.6 |
| DI/DM | 1.03 | 91.2 | 94.3 | 95.4 | 97.6 | 100.4 | 100.5 | 102.7 | 104.1 | 106.6 | 107.8 | 108.2 | 107.6 | 104.3 | 147.1 | 147.1 | 147.6 |
| | | 92.8 | 94.2 | 94.2 | 95.2 | 97.2 | 98.6 | 101.7 | 101.8 | 104.2 | 105.1 | 106.5 | 105.6 | 103.3 | 145.5 | 145.5 | 145.5 |
| | | 88.3 | 92.8 | 94.2 | 95.2 | 97.2 | 98.6 | 101.7 | 101.8 | 104.2 | 105.1 | 106.5 | 105.6 | 103.3 | 145.5 | 145.5 | 145.5 |
| | | 86.6 | 91.1 | 92.1 | 94.1 | 96.0 | 96.9 | 100.3 | 100.5 | 103.1 | 102.6 | 104.7 | 103.9 | 102.4 | 142.4 | 142.4 | 142.4 |
| | | 83.0 | 87.3 | 90.0 | 91.6 | 95.1 | 94.2 | 97.6 | 96.7 | 100.2 | 98.7 | 100.9 | 100.1 | 99.0 | 140.5 | 140.5 | 140.5 |
| | | 79.6 | 84.3 | 85.2 | 87.5 | 90.3 | 90.3 | 90.7 | 92.3 | 93.6 | 96.7 | 95.4 | 99.2 | 95.3 | 140.0 | 140.0 | 140.0 |
| | | 76.3 | 81.8 | 83.7 | 86.2 | 88.0 | 87.7 | 90.6 | 90.5 | 93.3 | 93.3 | 93.3 | 95.3 | 92.5 | 139.4 | 139.4 | 139.4 |
| | | 71.1 | 76.2 | 80.0 | 81.3 | 82.1 | 82.4 | 86.1 | 86.0 | 89.0 | 90.6 | 90.6 | 91.1 | 88.9 | 137.8 | 137.8 | 137.8 |
| | | 65.4 | 70.0 | 73.5 | 74.6 | 74.7 | 75.0 | 79.0 | 78.5 | 82.8 | 84.7 | 84.7 | 84.4 | 82.8 | 135.1 | 135.1 | 135.1 |
| | | 60.4 | 63.6 | 68.0 | 68.4 | 67.2 | 68.6 | 73.2 | 71.9 | 75.7 | 79.1 | 79.1 | 77.6 | 77.1 | 133.9 | 133.9 | 133.9 |
| | | 57.3 | 60.4 | 65.8 | 63.7 | 62.4 | 64.0 | 71.9 | 66.4 | 71.6 | 75.8 | 79.4 | 73.5 | 72.3 | 160.8 | 160.8 | 160.8 |
| OVERALL MEASURED | | 105.1 | 107.0 | 107.7 | 108.2 | 110.1 | 111.1 | 113.0 | 115.5 | 118.8 | 121.1 | 123.9 | 124.7 | 123.7 | | | |
| OVERALL CALCULATED | | 118.7 | 120.4 | 120.7 | 121.3 | 122.3 | 123.2 | 125.1 | 128.3 | 131.5 | 133.7 | 137.0 | 137.6 | 135.9 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 5/15 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-190cm²(29.4in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 27 HR. 5.5
 (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| FREQ. | 40° | 50° | 60° | 70° | 80° | 90° | 100° | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 50 | 85.2 | 85.7 | 87.2 | 88.8 | 89.9 | 91.0 | 93.9 | 95.6 | 97.8 | 102.6 | 109.1 | 111.5 | 112.0 | 154.7 | 0. |
| 63 | 84.0 | 86.8 | 88.3 | 88.8 | 89.9 | 91.0 | 93.9 | 95.6 | 97.8 | 102.6 | 109.1 | 111.5 | 112.0 | 156.8 | 0. |
| 80 | 85.6 | 88.4 | 89.9 | 91.2 | 92.6 | 94.8 | 97.7 | 101.4 | 107.2 | 112.7 | 114.6 | 113.4 | 113.4 | 158.8 | 0. |
| 100 | 87.9 | 88.9 | 90.9 | 91.3 | 92.4 | 94.5 | 95.9 | 98.8 | 102.0 | 108.3 | 112.3 | 114.5 | 113.2 | 159.8 | 0. |
| 125 | 88.2 | 89.0 | 90.0 | 91.3 | 92.4 | 94.5 | 95.9 | 98.8 | 102.0 | 108.3 | 112.3 | 114.5 | 113.2 | 159.7 | 0. |
| 160 | 89.6 | 90.6 | 91.3 | 93.4 | 94.2 | 95.8 | 97.5 | 99.6 | 103.6 | 108.9 | 111.9 | 113.6 | 112.6 | 159.5 | 0. |
| 200 | 90.3 | 92.4 | 92.6 | 94.2 | 95.2 | 96.9 | 97.3 | 99.3 | 102.5 | 106.2 | 110.0 | 111.4 | 112.1 | 159.4 | 0. |
| 250 | 92.4 | 92.9 | 94.2 | 95.2 | 96.3 | 97.9 | 99.3 | 102.5 | 106.2 | 110.0 | 111.4 | 112.1 | 112.1 | 159.1 | 0. |
| 315 | 92.2 | 93.8 | 95.5 | 96.1 | 96.9 | 98.3 | 99.9 | 103.6 | 107.5 | 109.9 | 110.8 | 112.5 | 112.0 | 159.7 | 0. |
| 400 | 93.1 | 94.4 | 94.9 | 95.9 | 97.3 | 99.4 | 100.3 | 103.2 | 108.2 | 110.5 | 111.7 | 113.1 | 113.6 | 160.5 | 0. |
| 500 | 93.7 | 94.7 | 96.0 | 96.5 | 98.6 | 99.4 | 101.1 | 104.5 | 108.5 | 110.3 | 112.5 | 114.7 | 113.9 | 161.2 | 0. |
| 630 | 93.8 | 94.8 | 96.3 | 97.1 | 98.5 | 100.1 | 102.5 | 104.9 | 108.8 | 110.2 | 113.4 | 115.3 | 113.3 | 161.6 | 0. |
| 800 | 94.6 | 96.1 | 96.8 | 97.6 | 99.5 | 100.1 | 102.0 | 105.6 | 109.3 | 110.9 | 114.9 | 115.3 | 113.1 | 162.2 | 0. |
| 1000 | 96.1 | 97.4 | 97.2 | 97.5 | 99.0 | 100.2 | 102.4 | 106.2 | 108.9 | 111.0 | 114.7 | 113.4 | 109.2 | 161.5 | 0. |
| 1250 | 98.7 | 100.3 | 98.6 | 98.3 | 98.7 | 100.5 | 102.4 | 106.3 | 108.6 | 110.4 | 116.1 | 111.8 | 108.5 | 161.0 | 0. |
| 1600 | 96.9 | 99.2 | 101.0 | 101.0 | 100.6 | 101.7 | 103.3 | 105.7 | 109.0 | 110.4 | 112.5 | 110.9 | 107.9 | 160.7 | 0. |
| 2000 | 94.3 | 96.6 | 97.9 | 101.2 | 102.0 | 101.9 | 103.8 | 105.9 | 107.9 | 109.8 | 111.2 | 109.9 | 107.1 | 160.0 | 0. |
| 2500 | 92.6 | 95.7 | 96.8 | 98.0 | 101.9 | 102.0 | 104.1 | 105.5 | 108.1 | 109.2 | 109.6 | 109.0 | 106.2 | 159.5 | 0. |
| 3150 | 90.0 | 94.5 | 95.9 | 96.8 | 98.9 | 100.2 | 103.4 | 105.5 | 105.9 | 106.8 | 108.2 | 107.3 | 105.0 | 157.9 | 0. |
| 4000 | 88.7 | 93.3 | 94.2 | 96.9 | 98.2 | 99.0 | 102.4 | 102.7 | 105.2 | 104.7 | 106.8 | 106.1 | 104.5 | 157.1 | 0. |
| 5000 | 86.0 | 90.3 | 92.9 | 94.6 | 98.1 | 97.2 | 100.6 | 99.6 | 103.2 | 101.7 | 103.8 | 103.0 | 101.9 | 154.9 | 0. |
| 6300 | 83.4 | 88.2 | 89.1 | 91.4 | 94.1 | 94.6 | 96.1 | 97.5 | 100.6 | 99.2 | 103.1 | 99.6 | 99.2 | 152.9 | 0. |
| 8000 | 81.4 | 87.0 | 88.9 | 91.4 | 93.1 | 92.8 | 95.8 | 95.6 | 98.4 | 98.2 | 100.5 | 100.9 | 97.6 | 152.3 | 0. |
| 10000 | 78.3 | 83.3 | 87.2 | 88.5 | 89.3 | 89.6 | 93.3 | 93.2 | 96.2 | 97.8 | 99.6 | 98.3 | 96.1 | 151.8 | 0. |
| 12500 | 75.1 | 79.7 | 83.1 | 84.2 | 84.3 | 84.6 | 88.6 | 88.1 | 92.4 | 94.3 | 98.0 | 94.0 | 92.4 | 150.2 | 0. |
| 16000 | 73.4 | 76.6 | 80.9 | 81.4 | 80.1 | 81.6 | 86.1 | 84.9 | 88.7 | 92.0 | 95.8 | 90.0 | 90.1 | 150.5 | 0. |
| 20000 | 75.7 | 78.8 | 84.2 | 82.1 | 80.7 | 82.4 | 90.3 | 84.7 | 89.9 | 94.2 | 97.8 | 91.9 | 91.1 | 156.3 | 0. |
| OVERALL CALCULATED | 106.1 | 108.0 | 108.9 | 110.0 | 111.3 | 112.2 | 114.3 | 116.7 | 119.9 | 122.2 | 125.0 | 125.7 | 124.6 | 173.2 | 0. |
| PND8 | 116.9 | 119.6 | 120.8 | 122.4 | 124.4 | 124.9 | 127.2 | 128.8 | 131.7 | 133.3 | 135.1 | 134.9 | 133.0 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **5** TEST POINT **5/15** ACOUSTIC RANGE **45.7m(150ft.)** ARC **5** SIZE **FULL-33m²(513in²)**

PROC. DATE - MONTH 3 DAY 27 HR. 5.5

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN5) | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | C. | 0. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 57.0 | 59.1 | 61.7 | 64.0 | 65.2 | 65.7 | 67.5 | 69.2 | 71.2 | 72.2 | 75.9 | 80.8 | 81.0 | 79.0 | 76.6 | 78.0 | 78.0 |
| SIDELINE 2400. FT. | | 63 | 55.8 | 60.1 | 62.7 | 64.0 | 65.5 | 66.7 | 69.5 | 70.7 | 72.2 | 75.9 | 80.8 | 81.0 | 79.0 | 76.6 | 78.0 | 78.0 | 78.0 |
| (731-52 M) | | 80 | 57.3 | 62.6 | 63.0 | 65.5 | 67.8 | 69.3 | 70.3 | 72.0 | 74.3 | 78.7 | 82.8 | 83.2 | 79.2 | 79.0 | 79.0 | 79.0 | 79.0 |
| MFA | | 125 | 59.6 | 62.1 | 64.2 | 66.2 | 67.7 | 70.0 | 71.2 | 73.7 | 76.2 | 81.4 | 83.7 | 83.5 | 78.6 | 79.0 | 79.0 | 79.0 | 79.0 |
| (0. RAD/SEC) | | 160 | 60.6 | 63.5 | 65.4 | 68.2 | 69.5 | 71.2 | 72.7 | 74.5 | 77.7 | 81.8 | 83.1 | 82.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| NFK | | 200 | 61.4 | 65.1 | 66.5 | 68.8 | 70.4 | 72.1 | 73.6 | 75.8 | 79.5 | 82.9 | 82.4 | 80.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| (0. RAD/SEC) | | 250 | 63.2 | 65.5 | 67.9 | 69.7 | 71.3 | 73.0 | 74.3 | 77.0 | 79.9 | 82.6 | 81.8 | 79.1 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| MFD 7500. RPM | | 315 | 62.7 | 66.0 | 69.0 | 70.4 | 71.7 | 73.2 | 74.7 | 77.9 | 81.0 | 82.1 | 81.3 | 80.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| (785. RAD/SEC) | | 400 | 63.1 | 66.3 | 68.1 | 69.9 | 71.7 | 74.0 | 74.7 | 77.2 | 81.3 | 82.4 | 81.7 | 80.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| AIRFLOW RATIO | | 500 | 62.6 | 65.7 | 68.6 | 70.1 | 72.7 | 73.7 | 75.2 | 78.1 | 81.2 | 81.7 | 82.0 | 81.2 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| WF/MH 4.18 | | 630 | 62.6 | 65.7 | 68.6 | 70.3 | 72.1 | 73.9 | 76.1 | 78.0 | 81.1 | 81.0 | 82.2 | 80.9 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| VEHICLE CELL41 | | 800 | 62.7 | 66.2 | 68.5 | 70.2 | 72.6 | 73.4 | 75.1 | 78.2 | 81.0 | 81.1 | 82.8 | 79.8 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| CONFIG NC54 | | 1000 | 62.9 | 66.6 | 68.0 | 69.3 | 71.5 | 72.8 | 74.7 | 78.1 | 79.8 | 80.3 | 81.5 | 76.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| LOC C41 ANECH CH | | 1250 | 64.2 | 68.4 | 68.4 | 69.3 | 71.5 | 72.8 | 74.0 | 77.3 | 78.4 | 78.5 | 79.6 | 73.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| DATE 06-11-76 | | 1600 | 60.4 | 65.7 | 59.4 | 70.6 | 70.9 | 72.2 | 73.6 | 77.4 | 77.4 | 76.8 | 76.0 | 69.7 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| RUN CONF5/VELDPN | | 2000 | 55.5 | 61.2 | 64.6 | 69.3 | 70.8 | 71.0 | 72.6 | 74.0 | 74.6 | 74.4 | 72.4 | 65.0 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| TAPE X51150 | | 2500 | 50.4 | 57.5 | 61.1 | 64.9 | 68.6 | 68.9 | 70.8 | 71.4 | 72.3 | 71.0 | 67.5 | 60.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| FAN TIP SPEED | | 3150 | 42.5 | 51.8 | 56.2 | 59.1 | 62.2 | 63.8 | 66.7 | 65.7 | 66.2 | 64.1 | 60.7 | 51.7 | 34.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| FT/SEC | | 4000 | 33.1 | 43.8 | 48.6 | 53.7 | 56.3 | 57.5 | 60.5 | 59.5 | 59.6 | 55.2 | 51.2 | 40.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| | | 5000 | 25.7 | 37.0 | 43.9 | 48.2 | 53.2 | 52.7 | 55.7 | 53.3 | 54.2 | 48.4 | 43.5 | 30.9 | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| | | 6300 | 9.4 | 23.4 | 30.0 | 35.8 | 40.5 | 41.6 | 42.5 | 41.9 | 41.5 | 34.4 | 29.0 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 |
| | | 8000 | | 4.6 | 14.4 | 21.6 | 26.0 | 26.5 | 28.7 | 25.9 | 23.9 | 15.9 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| | | 10000 | | | | 3.4 | 4.8 | 7.4 | 3.7 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 5 TEST POINT 5/15 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-.33m²(513in²) SIZE

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | |
|-----------------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (2.96) (3.14) | 91.4 | 94.9 | 95.9 | 96.7 | 98.3 | 99.9 | 103.0 | 104.4 | 105.1 | 113.5 | 119.2 | 121.1 | 125.6 |
| NO EGA | 53 | 94.0 | 97.7 | 96.5 | 98.5 | 100.6 | 103.2 | 104.9 | 106.8 | 110.5 | 116.3 | 122.0 | 123.9 | 128.7 |
| RDG. NO. 0. | 80 | 96.2 | 98.0 | 99.2 | 99.6 | 100.9 | 103.0 | 105.2 | 108.6 | 113.3 | 120.3 | 125.3 | 126.3 | 132.3 |
| RADIAL 150. FT. | 100 | 97.5 | 98.3 | 99.3 | 100.1 | 101.7 | 104.1 | 106.0 | 108.9 | 114.6 | 122.9 | 127.1 | 127.3 | 133.3 |
| (46. M) | 125 | 99.2 | 100.7 | 101.2 | 102.2 | 103.6 | 105.7 | 107.3 | 111.2 | 115.5 | 124.5 | 128.0 | 128.7 | 135.3 |
| VEHICLE | 160 | 102.9 | 103.0 | 103.2 | 104.8 | 105.3 | 107.0 | 109.6 | 113.6 | 118.7 | 125.3 | 129.9 | 129.9 | 137.2 |
| CELL41 | 200 | 108.0 | 108.5 | 107.8 | 107.8 | 108.9 | 109.3 | 110.9 | 113.6 | 118.5 | 126.6 | 129.6 | 129.6 | 137.2 |
| CONFIG | 250 | 110.9 | 110.6 | 109.6 | 108.9 | 108.9 | 110.4 | 111.5 | 114.7 | 119.4 | 126.0 | 129.9 | 130.1 | 137.2 |
| LDC C41 ANCH CH | 315 | 112.7 | 112.5 | 111.3 | 111.3 | 108.9 | 109.5 | 111.4 | 114.3 | 119.0 | 125.6 | 128.3 | 129.2 | 134.5 |
| DATE 06-21-76 | 400 | 112.0 | 111.5 | 112.6 | 112.8 | 112.4 | 110.8 | 111.9 | 114.3 | 118.6 | 124.3 | 125.3 | 125.3 | 131.3 |
| RUN CONF50RFLW | 500 | 110.9 | 111.4 | 111.4 | 112.2 | 112.3 | 112.9 | 112.6 | 114.7 | 118.9 | 122.5 | 124.5 | 124.5 | 130.2 |
| TAPE X51500 | 630 | 110.6 | 112.4 | 112.4 | 112.2 | 112.3 | 112.9 | 113.8 | 115.7 | 118.9 | 122.8 | 124.2 | 123.1 | 128.7 |
| BAR 29.3 HG | 800 | 100.5 | 112.0 | 112.6 | 112.8 | 112.4 | 112.3 | 113.7 | 115.8 | 118.6 | 121.4 | 122.6 | 121.5 | 126.3 |
| (C9075- N/M2) | 1000 | 129.4 | 112.2 | 111.7 | 113.5 | 112.8 | 113.2 | 113.6 | 115.7 | 117.5 | 120.8 | 122.0 | 120.4 | 125.9 |
| TAMB 53. DEG F | 1250 | 128.3 | 111.6 | 111.7 | 112.7 | 113.8 | 114.6 | 114.8 | 115.2 | 117.4 | 119.3 | 121.2 | 119.5 | 125.9 |
| (285. DEG K) | 1600 | 127.8 | 110.4 | 110.7 | 112.4 | 113.8 | 114.4 | 115.0 | 114.7 | 115.9 | 119.1 | 120.5 | 118.9 | 124.5 |
| TWET 50. DEG F | 2000 | 126.2 | 109.8 | 110.2 | 112.2 | 113.7 | 112.8 | 114.7 | 114.7 | 116.7 | 118.4 | 119.3 | 118.9 | 124.5 |
| (283. DEG K) | 2500 | 124.3 | 107.8 | 109.0 | 110.9 | 111.7 | 112.8 | 114.0 | 112.8 | 114.5 | 116.7 | 118.1 | 117.4 | 123.1 |
| MACT 8.39 GM/M3 | 3150 | 123.2 | 107.1 | 107.6 | 110.2 | 111.2 | 111.6 | 114.0 | 112.3 | 114.6 | 115.6 | 118.0 | 116.7 | 123.1 |
| (C0839 KG/M3) | 4000 | 101.3 | 104.7 | 105.6 | 107.5 | 110.7 | 110.0 | 112.7 | 110.5 | 113.6 | 115.6 | 118.0 | 116.7 | 123.1 |
| FREQ. SHIFT | 5000 | 99.0 | 103.9 | 104.2 | 105.9 | 108.1 | 107.8 | 109.1 | 109.1 | 112.7 | 112.2 | 116.8 | 111.2 | 117.7 |
| JET 7 | 6300 | 99.1 | 103.6 | 104.6 | 107.0 | 108.5 | 107.7 | 110.1 | 109.0 | 111.7 | 112.9 | 115.3 | 114.3 | 120.7 |
| DIAMETER RATIO | 8000 | 97.3 | 102.0 | 103.1 | 106.0 | 106.6 | 106. | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 5 | 5/50 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

| | | | | | | | | | | | | | |
|--------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OVERALL CALCULATED | 89.9 | 92.7 | 94.0 | 95.4 | 96.1 | 96.6 | 97.6 | 99.2 | 102.5 | 107.5 | 109.0 | 106.7 | 99.9 |
| PHASE | 95.2 | 98.6 | 100.6 | 102.8 | 104.4 | 104.9 | 105.9 | 106.1 | 108.2 | 111.8 | 112.7 | 109.5 | 101.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 5 | 5/50 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 30 HR. 15.6
MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIAN)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|---|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|----|----|----|-----|
| (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | | | | | | | | | | | | | | | | | |

| RDG. NO. | NO EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|-------|
| RADIAL (12c M) | | 81.6 | 91.4 | 89.4 | 91.2 | 92.5 | 92.2 | 93.3 | 94.0 | 94.4 | 96.5 | 99.9 | 99.6 | 102.7 | | | | 137.3 |
| VEHICLE CELL 41 | | 80.8 | 84.6 | 86.9 | 89.2 | 91.0 | 92.4 | 93.0 | 93.9 | 92.1 | 91.9 | 100.6 | 102.3 | 102.6 | | | | 137.3 |
| CONFIS NCAN | | 81.4 | 84.9 | 87.4 | 87.0 | 88.0 | 88.4 | 88.8 | 90.7 | 93.4 | 99.0 | 102.9 | 103.9 | 106.2 | | | | 139.3 |
| LOC C41 ANECH CH | | 84.8 | 85.0 | 85.3 | 88.6 | 89.2 | 90.5 | 91.4 | 94.1 | 97.3 | 101.4 | 105.6 | 108.8 | 109.5 | | | | 142.6 |
| DATE 06-21-76 | | 85.2 | 89.2 | 87.7 | 90.2 | 92.1 | 93.4 | 94.6 | 97.0 | 101.7 | 107.2 | 112.0 | 114.1 | 113.4 | | | | 144.8 |
| RUN CONF52EROFLW | | 87.7 | 88.7 | 90.0 | 91.2 | 92.8 | 94.0 | 95.3 | 98.5 | 104.5 | 110.3 | 115.0 | 115.7 | 113.5 | | | | 147.7 |
| TAPE X51510 | | 89.3 | 89.3 | 90.8 | 91.8 | 93.4 | 95.3 | 97.4 | 99.8 | 106.5 | 113.6 | 116.8 | 117.0 | 114.0 | | | | 149.7 |
| BAR 29.3 HG | | 90.1 | 91.6 | 91.9 | 93.4 | 95.3 | 96.6 | 99.0 | 101.9 | 108.6 | 115.5 | 118.2 | 118.3 | 115.1 | | | | 151.5 |
| (99077. N/M2) | | 92.9 | 93.4 | 93.4 | 95.4 | 96.3 | 97.9 | 100.0 | 103.2 | 110.7 | 117.2 | 119.9 | 119.1 | 115.9 | | | | 153.0 |
| TAMB 54. DEG F | | 97.2 | 98.0 | 98.5 | 99.3 | 99.4 | 99.7 | 101.4 | 104.5 | 111.0 | 118.1 | 119.8 | 119.7 | 116.2 | | | | 154.8 |
| (285. DEG K) | | 96.3 | 99.1 | 100.3 | 99.9 | 100.4 | 102.1 | 102.4 | 105.6 | 111.3 | 118.9 | 120.6 | 121.3 | 116.3 | | | | 155.8 |
| TWET 51. DEG F | | 94.6 | 96.2 | 96.4 | 98.0 | 98.8 | 101.2 | 102.5 | 105.2 | 111.7 | 117.5 | 119.2 | 119.4 | 114.4 | | | | 154.4 |
| (284. DEG K) | | 95.9 | 96.7 | 99.0 | 99.0 | 99.3 | 100.3 | 102.9 | 106.1 | 111.8 | 116.2 | 116.9 | 115.3 | 109.8 | | | | 153.5 |
| HACT 8.72 GM/M3 | | 94.5 | 96.8 | 98.3 | 98.1 | 100.2 | 101.3 | 102.9 | 106.8 | 111.8 | 116.6 | 115.6 | 113.0 | 108.3 | | | | 152.0 |
| (.00872 KG/M3) | | 95.5 | 97.3 | 98.6 | 99.3 | 99.9 | 100.8 | 103.2 | 106.3 | 110.0 | 113.9 | 113.0 | 110.2 | 106.5 | | | | 150.8 |
| FREQ. SHIFT | | 95.0 | 97.8 | 97.6 | 98.4 | 99.5 | 100.6 | 103.2 | 106.6 | 110.4 | 115.5 | 113.6 | 111.6 | 106.1 | | | | 149.9 |
| JET | | 93.9 | 97.7 | 97.5 | 99.3 | 99.1 | 100.7 | 102.6 | 106.3 | 110.0 | 113.9 | 113.0 | 110.2 | 106.5 | | | | 149.3 |
| DIAMETER RATIO | | 92.7 | 96.3 | 97.4 | 98.6 | 100.2 | 101.6 | 103.7 | 105.9 | 109.6 | 112.7 | 111.4 | 109.6 | 106.6 | | | | 148.9 |
| DF/DM 1 | | 92.1 | 94.7 | 95.5 | 98.2 | 100.0 | 100.9 | 103.8 | 105.9 | 108.7 | 112.1 | 111.0 | 108.4 | 106.2 | | | | 148.9 |
| | | 89.5 | 95.1 | 96.0 | 97.7 | 99.8 | 100.1 | 102.8 | 104.2 | 107.8 | 111.4 | 109.8 | 108.2 | 104.9 | | | | 146.7 |
| | | 87.5 | 93.3 | 94.4 | 96.4 | 98.2 | 99.3 | 101.7 | 102.3 | 104.9 | 108.9 | 107.8 | 106.1 | 103.8 | | | | 146.3 |
| | | 86.1 | 92.0 | 93.2 | 96.1 | 97.4 | 98.0 | 101.4 | 101.1 | 103.7 | 107.5 | 105.8 | 105.3 | 102.7 | | | | 144.4 |
| | | 83.0 | 88.1 | 90.3 | 93.1 | 96.1 | 95.7 | 99.1 | 97.7 | 101.6 | 104.2 | 103.0 | 101.6 | 99.2 | | | | 143.1 |
| | | 79.4 | 85.6 | 86.8 | 89.6 | 92.7 | 92.7 | 94.0 | 94.7 | 99.6 | 100.8 | 102.1 | 96.8 | 95.1 | | | | 143.3 |
| | | 77.1 | 83.1 | 85.9 | 88.8 | 91.2 | 90.9 | 93.1 | 92.5 | 96.4 | 99.6 | 98.8 | 97.0 | 93.4 | | | | 143.3 |
| | | 72.2 | 78.7 | 82.7 | 84.4 | 86.7 | 86.7 | 89.2 | 88.1 | 93.0 | 97.5 | 96.0 | 93.7 | 90.0 | | | | 142.8 |
| | | 66.9 | 72.8 | 77.2 | 78.9 | 80.9 | 81.5 | 82.5 | 81.8 | 87.0 | 92.9 | 93.0 | 87.0 | 83.5 | | | | 142.8 |
| | | 61.8 | 67.0 | 72.1 | 73.4 | 75.8 | 76.0 | 76.3 | 76.4 | 81.4 | 88.9 | 88.2 | 80.9 | 76.8 | | | | 144.3 |
| | | 58.8 | 62.6 | 69.0 | 68.0 | 72.9 | 73.5 | 74.4 | 70.9 | 77.0 | 86.5 | 85.5 | 76.4 | 72.0 | | | | 150.7 |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 106.0 | 108.4 | 109.3 | 110.4 | 111.5 | 112.6 | 114.7 | 117.2 | 122.2 | 127.7 | 129.1 | 128.9 | 125.3 | | | | 165.0 |
| PND8 | | 118.7 | 121.1 | 121.8 | 122.9 | 123.7 | 124.8 | 126.9 | 130.0 | 134.9 | 139.9 | 140.3 | 139.3 | 135.4 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 5 | 5/5/ | 12.2m(40ft.) ARC | MODEL-116cm ² (18in ²) |

| FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | PROC. DATE - MONTH 9 DAY 30 HR. 16.3 | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--------------------------------------|--|--|--|--|--|--|--|--|--|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | | | | |
| FREQ. (C. 70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (2.96) (3.13) (3.30) (3.47) (3.64) (3.81) (3.98) (4.15) (4.32) (4.49) (4.66) (4.83) (5.00) (5.17) (5.34) (5.51) (5.68) (5.85) (6.02) (6.19) (6.36) (6.53) (6.70) (6.87) (7.04) (7.21) (7.38) (7.55) (7.72) (7.89) (8.06) (8.23) (8.40) (8.57) (8.74) (8.91) (9.08) (9.25) (9.42) (9.59) (9.76) (9.93) (10.10) (10.27) (10.44) (10.61) (10.78) (10.95) (11.12) (11.29) (11.46) (11.63) (11.80) (11.97) (12.14) (12.31) (12.48) (12.65) (12.82) (12.99) (13.16) (13.33) (13.50) (13.67) (13.84) (14.01) (14.18) (14.35) (14.52) (14.69) (14.86) (15.03) (15.20) (15.37) (15.54) (15.71) (15.88) (16.05) (16.22) (16.39) (16.56) (16.73) (16.90) (17.07) (17.24) (17.41) (17.58) (17.75) (17.92) (18.09) (18.26) (18.43) (18.60) (18.77) (18.94) (19.11) (19.28) (19.45) (19.62) (19.79) (19.96) (20.13) (20.30) (20.47) (20.64) (20.81) (20.98) (21.15) (21.32) (21.49) (21.66) (21.83) (22.00) (22.17) (22.34) (22.51) (22.68) (22.85) (23.02) (23.19) (23.36) (23.53) (23.70) (23.87) (24.04) (24.21) (24.38) (24.55) (24.72) (24.89) (25.06) (25.23) (25.40) (25.57) (25.74) (25.91) (26.08) (26.25) (26.42) (26.59) (26.76) (26.93) (27.10) (27.27) (27.44) (27.61) (27.78) (27.95) (28.12) (28.29) (28.46) (28.63) (28.80) (28.97) (29.14) (29.31) (29.48) (29.65) (29.82) (30.00) (30.17) (30.34) (30.51) (30.68) (30.85) (31.02) (31.19) (31.36) (31.53) (31.70) (31.87) (32.04) (32.21) (32.38) (32.55) (32.72) (32.89) (33.06) (33.23) (33.40) (33.57) (33.74) (33.91) (34.08) (34.25) (34.42) (34.59) (34.76) (34.93) (35.10) (35.27) (35.44) (35.61) (35.78) (35.95) (36.12) (36.29) (36.46) (36.63) (36.80) (36.97) (37.14) (37.31) (37.48) (37.65) (37.82) (37.99) (38.16) (38.33) (38.50) (38.67) (38.84) (39.01) (39.18) (39.35) (39.52) (39.69) (39.86) (40.03) (40.20) (40.37) (40.54) (40.71) (40.88) (41.05) (41.22) (41.39) (41.56) (41.73) (41.90) (42.07) (42.24) (42.41) (42.58) (42.75) (42.92) (43.09) (43.26) (43.43) (43.60) (43.77) (43.94) (44.11) (44.28) (44.45) (44.62) (44.79) (44.96) (45.13) (45.30) (45.47) (45.64) (45.81) (45.98) (46.15) (46.32) (46.49) (46.66) (46.83) (47.00) (47.17) (47.34) (47.51) (47.68) (47.85) (48.02) (48.19) (48.36) (48.53) (48.70) (48.87) (49.04) (49.21) (49.38) (49.55) (49.72) (49.89) (50.06) (50.23) (50.40) (50.57) (50.74) (50.91) (51.08) (51.25) (51.42) (51.59) (51.76) (51.93) (52.10) (52.27) (52.44) (52.61) (52.78) (52.95) (53.12) (53.29) (53.46) (53.63) (53.80) (53.97) (54.14) (54.31) (54.48) (54.65) (54.82) (54.99) (55.16) (55.33) (55.50) (55.67) (55.84) (56.01) (56.18) (56.35) (56.52) (56.69) (56.86) (57.03) (57.20) (57.37) (57.54) (57.71) (57.88) (58.05) (58.22) (58.39) (58.56) (58.73) (58.90) (59.07) (59.24) (59.41) (59.58) (59.75) (59.92) (60.09) (60.26) (60.43) (60.60) (60.77) (60.94) (61.11) (61.28) (61.45) (61.62) (61.79) (61.96) (62.13) (62.30) (62.47) (62.64) (62.81) (62.98) (63.15) (63.32) (63.49) (63.66) (63.83) (64.00) (64.17) (64.34) (64.51) (64.68) (64.85) (65.02) (65.19) (65.36) (65.53) (65.70) (65.87) (66.04) (66.21) (66.38) (66.55) (66.72) (66.89) (67.06) (67.23) (67.40) (67.57) (67.74) (67.91) (68.08) (68.25) (68.42) (68.59) (68.76) (68.93) (69.10) (69.27) (69.44) (69.61) (69.78) (69.95) (70.12) (70.29) (70.46) (70.63) (70.80) (70.97) (71.14) (71.31) (71.48) (71.65) (71.82) (71.99) (72.16) (72.33) (72.50) (72.67) (72.84) (73.01) (73.18) (73.35) (73.52) (73.69) (73.86) (74.03) (74.20) (74.37) (74.54) (74.71) (74.88) (75.05) (75.22) (75.39) (75.56) (75.73) (75.90) (76.07) (76.24) (76.41) (76.58) (76.75) (76.92) (77.09) (77.26) (77.43) (77.60) (77.77) (77.94) (78.11) (78.28) (78.45) (78.62) (78.79) (78.96) (79.13) (79.30) (79.47) (79.64) (79.81) (79.98) (80.15) (80.32) (80.49) (80.66) (80.83) (81.00) (81.17) (81.34) (81.51) (81.68) (81.85) (82.02) (82.19) (82.36) (82.53) (82.70) (82.87) (83.04) (83.21) (83.38) (83.55) (83.72) (83.89) (84.06) (84.23) (84.40) (84.57) (84.74) (84.91) (85.08) (85.25) (85.42) (85.59) (85.76) (85.93) (86.10) (86.27) (86.44) (86.61) (86.78) (86.95) (87.12) (87.29) (87.46) (87.63) (87.80) (87.97) (88.14) (88.31) (88.48) (88.65) (88.82) (88.99) (89.16) (89.33) (89.50) (89.67) (89.84) (89.99) (90.16) (90.33) (90.50) (90.67) (90.84) (91.01) (91.18) (91.35) (91.52) (91.69) (91.86) (92.03) (92.20) (92.37) (92.54) (92.71) (92.88) (93.05) (93.22) (93.39) (93.56) (93.73) (93.90) (94.07) (94.24) (94.41) (94.58) (94.75) (94.92) (95.09) (95.26) (95.43) (95.60) (95.77) (95.94) (96.11) (96.28) (96.45) (96.62) (96.79) (96.96) (97.13) (97.30) (97.47) (97.64) (97.81) (97.98) (98.1 | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 5 | 5/51 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) | (4.20) | (4.38) | (4.56) | (4.74) | (4.92) | (5.09) | (5.27) | (5.45) | (5.63) | (5.81) | (5.99) | (6.17) | (6.35) | |
| 50 | 58.4 | 63.0 | 65.1 | 66.1 | 68.1 | 69.6 | 71.9 | 73.1 | 75.1 | 75.2 | 77.2 | 79.2 | 83.6 | 86.7 | 88.1 | 82.3 | 82.7 | 83.5 | 84.2 | 84.9 | 85.4 | 86.2 | 86.8 | 87.7 | 88.1 | 89.3 | 89.8 | 91.4 | 92.7 | 90.5 | 83.5 | 83.6 | 82.5 | |
| 63 | 62.4 | 65.0 | 67.4 | 68.4 | 70.7 | 72.2 | 73.2 | 75.2 | 77.2 | 79.2 | 83.6 | 86.7 | 88.1 | 82.3 | 82.7 | 83.5 | 84.2 | 84.9 | 85.4 | 86.2 | 86.8 | 87.7 | 88.1 | 89.3 | 89.8 | 91.4 | 92.7 | 90.5 | 83.5 | 83.6 | 82.5 | 82.5 | 82.5 | |
| 80 | 65.0 | 67.4 | 69.9 | 71.9 | 73.3 | 74.5 | 76.4 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 100 | 67.4 | 69.9 | 71.9 | 73.3 | 74.5 | 76.4 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 125 | 69.9 | 71.9 | 73.3 | 74.5 | 76.4 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 160 | 71.9 | 73.3 | 74.5 | 76.4 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 200 | 73.3 | 74.5 | 76.4 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 250 | 74.5 | 76.4 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 315 | 76.4 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 375 | 78.4 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 450 | 81.1 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 540 | 83.9 | 91.3 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 630 | 87.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 750 | 91.3 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 855 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 1000 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 1125 | 100.0 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 1250 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 1400 | 104.0 | 100.0 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 1500 | 105.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 1600 | 106.0 | 104.0 | 100.0 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 1750 | 108.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 1900 | 110.0 | 108.0 | 104.0 | 100.0 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 2000 | 111.2 | 108.0 | 104.0 | 100.0 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 2250 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 2500 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 2750 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 3000 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 3250 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 3500 | 123.2 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 3750 | 125.2 | 123.2 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 4000 | 127.2 | 125.2 | 123.2 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 4250 | 129.2 | 127.2 | 125.2 | 123.2 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 4500 | 131.2 | 129.2 | 127.2 | 125.2 | 123.2 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 |
| 4750 | 133.2 | 131.2 | 129.2 | 127.2 | 125.2 | 123.2 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0 | 106.0 | 102.0 | 97.8 | 93.2 | 94.3 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 | 83.9 | 91.3 |
| 5000 | 135.2 | 133.2 | 131.2 | 129.2 | 127.2 | 125.2 | 123.2 | 121.2 | 119.2 | 117.2 | 115.2 | 113.2 | 110.0</ | | | | | | | | | | | | | | | | | | | | | |

PROC. DATE - MONTH 8 DAY 30 HR. 15.6
F, 70 PERCENT REL. HUM. DAY - JENOTS)

FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.)

[illegible]

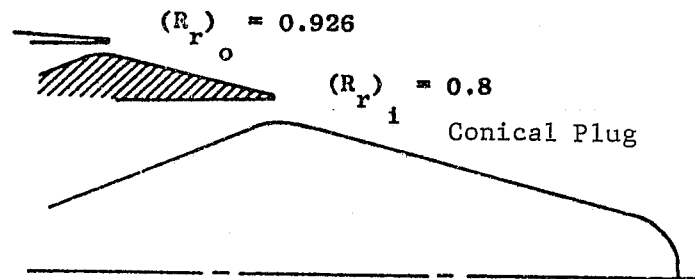
ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 5 | 5/52 | 12.2m(40ft.) ARC | MODEL-116cm ² (18in ²) |

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. | 10010. | 10020. | 10030. | 10040. | 10050. | 10060. | 10070. | 10080. | 10090. | 10100. | 10110. | 10120. | 10130. | 10140. | 10150. | 10160. | 10170. | 10180. | 10190. | 10200. | 10210. | 10220. | 10230. | 10240. | 10250. | 10260. | 10270. | 10280. | 10290. | 10300. | 10310. | 10320. | 10330. | 10340. | 10350. | 10360. | 10370. | 10380. | 10390. | 10400. | 10410. | 10420. | 10430. | 10440. | 10450. | 10460. | 10470. | 10480. | 10490. | 10500. | 10510. | 10520. | 10530. | 10540. | 10550. | 10560. | 10570. | 10580. | 10590. | 10600. | 10610. | 10620. | 10630. | 10640. | 10650. | 10660. | 10670. | 10680. | 10690. | 10700. | 10710. | 10720. | 10730. | 10740. | 10750. | 10760. | 10770. | 10780. | 10790. | 10800. | 10810. | 10820. | 10830. | 10840. | 10850. | 10860. | 10870. | 10880. | 10890. | 10900. | 10910. | 10920. | 10930. | 10940. | 10950. | 10960. | 10970. | 10980. | 10990. | 11000. | 11010. | 11020. | 11030. | 11040. | 11050. | 11060. | 11070. | 11080. | 11090. | 11100. | 11110. | 11120. | 11130. | 11140. | 11150. | 11160. | 11170. | 11180. | 11190. | 11200. | 11210. | 11220. | 11230. | 11240. | 11250. | 11260. | 11270. | 11280. | 11290. | 11300. | 11310. | 11320. | 11330. | 11340. | 11350. | 11360. | 11370. | 11380. | 11390. | 11400. | 11410. | 11420. | 11430. | 11440. | 11450. | 11460. | 11470. | 11480. | 11490. | 11500. | 11510. | 11520. | 11530. | 11540. | 11550. | 11560. | 11570. | 11580. | 11590. | 11600. | 11610. | 11620. | 11630. | 11640. | 11650. | 11660. | 11670. | 11680. | 11690. | 11700. | 11710. | 11720. | 11730. | 11740. | 11750. | 11760. | 11770. | 11780. | 11790. | 11800. | 11810. | 11820. | 11830. | 11840. | 11850. | 11860. | 11870. | 11880. | 11890. | 11900. | 11910. | 11920. | 11930. | 11940. | 11950. | 11960. | 11970. | 11980. | 11990. | 12000. | 12010. | 12020. | 12030. | 12040. | 12050. | 12060. | 12070. | 12080. | 12090. | 12100. | 12110. | 12120. | 12130. | 12140. | 12150. | 12160. | 12170. | 12180. | 12190. | 12200. | 12210. | 12220. | 12230. | 12240. | 12250. | 12260. | 12270. | 12280. | 12290. | 12300. | 12310. | 12320. | 12330. | 12340. | 12350. | 12360. | 12370. | 12380. | 12390. | 12400. | 12410. | 12420. | 12430. | 12440. | 12450. | 12460. | 12470. | 12480. | 12490. | 12500. | 12510. | 12520. | 12530. | 12540. | 12550. | 12560. | 12570. | 12580. | 12590. | 12600. | 12610. | 12620. | 12630. | 12640. | 12650. | 12660. | 12670. | 12680. | 12690. | 12700. | 12710. | 12720. | 12730. | 12740. | 12750. | 12760. | 12770. | 12780. | 12790. | 12800. | 12810. | 12820. | 12830. | 12840. | 12850. | 12860. | 12870. | 12880. | 12890. | 12900. | 12910. | 12920. | 12930. | 12940. | 12950. | 12960. | 12970. | 12980. | 12990. | 13000. | 13010. | 13020. | 13030. | 13040. | 13050. | 13060. | 13070. | 13080. | 13090. | 13100. | 13110. | 13120. | 13130. | 13140. | 13150. | 13160. | 13170. | 13180. | 13190. | 13200. | 13210. | 13220. | 13230. | 13240. | 13250. | 13260. | 13270. | 13280. | 13290. | 13300. | 13310. | 13320.</ |
|--|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--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6.6 Acoustic Data

• Coannular Configuration No. 6



$$A^0 = 8.013 \text{ in.}^2$$

$$A_T = A^0 + A^1 = 19.363 \text{ in.}^2$$

PROC. DATE - MONTH 8 DAY 26 HR. 22.0
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANIS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| (0.703) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.2) |
| NO EGA | | | | | | | | | | | | | | |
| RDG. NO. | 50 | 63 | 80 | | | | | | | | | | | |
| RADIAL 40. FT. | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 |
| VEHICLE CELL41 | 160 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 520 | 560 | 600 | 640 | 680 |
| CONF. NC57 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 |
| LCC C41 ANECH CH | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 |
| DATE 06-16-76 | 315 | 375 | 435 | 495 | 555 | 615 | 675 | 735 | 795 | 855 | 915 | 975 | 1035 | 1095 |
| RUN CONF. HIGH FLW | 400 | 475 | 550 | 625 | 700 | 775 | 850 | 925 | 1000 | 1075 | 1150 | 1225 | 1300 | 1375 |
| TAPE X06400 | 500 | 575 | 650 | 725 | 800 | 875 | 950 | 1025 | 1100 | 1175 | 1250 | 1325 | 1400 | 1475 |
| BAR 29.3 HG | 630 | 705 | 780 | 855 | 930 | 1005 | 1080 | 1155 | 1230 | 1305 | 1380 | 1455 | 1530 | 1605 |
| (98975. N/M2) | 800 | 875 | 950 | 1025 | 1100 | 1175 | 1250 | 1325 | 1400 | 1475 | 1550 | 1625 | 1700 | 1775 |
| TAMB 57. DEG F | 1000 | 1075 | 1150 | 1225 | 1300 | 1375 | 1450 | 1525 | 1600 | 1675 | 1750 | 1825 | 1900 | 1975 |
| (287. DEG K) | 1250 | 1325 | 1400 | 1475 | 1550 | 1625 | 1700 | 1775 | 1850 | 1925 | 2000 | 2075 | 2150 | 2225 |
| TWET 55. DEG F | 1600 | 1675 | 1750 | 1825 | 1900 | 1975 | 2050 | 2125 | 2200 | 2275 | 2350 | 2425 | 2500 | 2575 |
| (286. DEG K) | 2000 | 2075 | 2150 | 2225 | 2300 | 2375 | 2450 | 2525 | 2600 | 2675 | 2750 | 2825 | 2900 | 2975 |
| HACT10.60 GM/M3 | 2500 | 2575 | 2650 | 2725 | 2800 | 2875 | 2950 | 3025 | 3100 | 3175 | 3250 | 3325 | 3400 | 3475 |
| (.01060 KG/M3) | 3150 | 3225 | 3300 | 3375 | 3450 | 3525 | 3600 | 3675 | 3750 | 3825 | 3900 | 3975 | 4050 | 4125 |
| FREQ. SHIFT | 4000 | 4075 | 4150 | 4225 | 4300 | 4375 | 4450 | 4525 | 4600 | 4675 | 4750 | 4825 | 4900 | 4975 |
| JET 0 | 5000 | 5075 | 5150 | 5225 | 5300 | 5375 | 5450 | 5525 | 5600 | 5675 | 5750 | 5825 | 5900 | 5975 |
| DIAMETER RATIO | 6300 | 6375 | 6450 | 6525 | 6600 | 6675 | 6750 | 6825 | 6900 | 6975 | 7050 | 7125 | 7200 | 7275 |
| DF/DM 1.00 | 8000 | 8075 | 8150 | 8225 | 8300 | 8375 | 8450 | 8525 | 8600 | 8675 | 8750 | 8825 | 8900 | 8975 |
| 10000 | 9000 | 9075 | 9150 | 9225 | 9300 | 9375 | 9450 | 9525 | 9600 | 9675 | 9750 | 9825 | 9900 | 9975 |
| 12500 | 10000 | 10075 | 10150 | 10225 | 10300 | 10375 | 10450 | 10525 | 10600 | 10675 | 10750 | 10825 | 10900 | 10975 |
| 16000 | 11000 | 11075 | 11150 | 11225 | 11300 | 11375 | 11450 | 11525 | 11600 | 11675 | 11750 | 11825 | 11900 | 11975 |
| 20000 | 12000 | 12075 | 12150 | 12225 | 12300 | 12375 | 12450 | 12525 | 12600 | 12675 | 12750 | 12825 | 12900 | 12975 |
| 25000 | 13000 | 13075 | 13150 | 13225 | 13300 | 13375 | 13450 | 13525 | 13600 | 13675 | 13750 | 13825 | 13900 | 13975 |
| 31500 | 14000 | 14075 | 14150 | 14225 | 14300 | 14375 | 14450 | 14525 | 14600 | 14675 | 14750 | 14825 | 14900 | 14975 |
| 40000 | 15000 | 15075 | 15150 | 15225 | 15300 | 15375 | 15450 | 15525 | 15600 | 15675 | 15750 | 15825 | 15900 | 15975 |
| 50000 | 16000 | 16075 | 16150 | 16225 | 16300 | 16375 | 16450 | 16525 | 16600 | 16675 | 16750 | 16825 | 16900 | 16975 |
| 63000 | 17000 | 17075 | 17150 | 17225 | 17300 | 17375 | 17450 | 17525 | 17600 | 17675 | 17750 | 17825 | 17900 | 17975 |
| 80000 | 18000 | 18075 | 18150 | 18225 | 18300 | 18375 | 18450 | 18525 | 18600 | 18675 | 18750 | 18825 | 18900 | 18975 |
| OVERALL MEASURED | 93.9 | 96.2 | 107.9 | 98.3 | 100.4 | 101.5 | 103.1 | 105.2 | 107.1 | 109.6 | 112.5 | 114.5 | 114.7 | 115.5 |
| OVERALL CALCULATED | PNDB | 106.9 | 108.9 | 120.9 | 111.7 | 113.1 | 114.1 | 115.3 | 117.8 | 119.6 | 121.8 | 122.5 | 123.1 | 122.8 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 640 ACUSTIC RANGE 12.2m(40ft.) ARC MODEL-125cm²(194in²) SIZE

FULL SCALE DATA REDUCTION PROGRAM

| FREQ. | FULL SIZE SOUND PRESSURE LEVELS | | | | | SCALED FROM MODEL DATA | | | | | PROC. DATE - MONTH 8 DAY 26 HR. 22.1 | | | | | HUM. DAY - JENOTS | | | | |
|--------------------|---------------------------------|-------|-------|-------|-------|------------------------|-------|-------|-------|-------|--------------------------------------|-------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| NO EGA | 50 | 77.1 | 80.6 | 92.1 | 81.4 | 82.7 | 84.6 | 87.5 | 89.1 | 90.3 | 94.9 | 101.1 | 103.1 | 104.8 | 147.0 | 151.1 | 152.7 | 153.9 | 154.4 | 154.4 |
| RGD. NO. | 63 | 78.7 | 82.9 | 91.4 | 84.7 | 86.3 | 87.2 | 88.4 | 91.3 | 93.5 | 99.0 | 104.5 | 107.4 | 108.2 | 151.1 | 152.7 | 153.9 | 154.4 | 154.4 | 154.4 |
| RADIAL 150. FT. | 80 | 80.7 | 82.7 | 95.0 | 84.8 | 85.6 | 87.2 | 88.4 | 91.3 | 93.5 | 99.0 | 104.5 | 107.4 | 108.2 | 151.1 | 152.7 | 153.9 | 154.4 | 154.4 | 154.4 |
| VEHICLE CELL41 | 100 | 81.0 | 82.8 | 94.5 | 84.8 | 86.7 | 88.5 | 89.4 | 90.8 | 93.4 | 96.4 | 100.7 | 106.4 | 109.6 | 108.9 | 154.4 | 154.4 | 154.4 | 154.4 | 154.4 |
| CONFIG NC57 | 125 | 82.4 | 84.1 | 94.9 | 86.4 | 88.3 | 89.4 | 90.4 | 92.1 | 94.7 | 97.4 | 101.7 | 106.7 | 108.9 | 108.7 | 154.4 | 154.4 | 154.4 | 154.4 | 154.4 |
| LDC C41 ANECH CH | 200 | 86.5 | 87.7 | 98.8 | 89.1 | 90.5 | 92.1 | 93.2 | 95.6 | 98.3 | 101.9 | 103.9 | 104.6 | 104.9 | 153.3 | 152.3 | 151.6 | 150.7 | 150.1 | 150.1 |
| DATE 06-18-76 | 315 | 85.7 | 87.7 | 98.2 | 90.0 | 91.1 | 92.4 | 93.1 | 95.5 | 98.5 | 102.0 | 102.7 | 103.2 | 103.2 | 151.6 | 150.7 | 150.1 | 150.1 | 150.1 | 150.1 |
| RUN CONF6HIGHFLW | 400 | 85.7 | 87.5 | 99.8 | 89.8 | 91.1 | 91.7 | 93.6 | 96.3 | 98.0 | 100.8 | 101.3 | 101.0 | 99.7 | 150.7 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 |
| TAPE XC6400 | 500 | 86.1 | 88.1 | 99.6 | 90.2 | 91.7 | 92.6 | 93.5 | 96.2 | 98.9 | 100.2 | 99.4 | 98.8 | 97.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 |
| BAR 29.3 HG | 630 | 86.3 | 87.9 | 100.4 | 90.9 | 92.3 | 92.6 | 94.0 | 96.7 | 98.6 | 100.7 | 99.2 | 97.3 | 95.4 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 |
| (98975. N/M2) | 800 | 85.4 | 87.4 | 100.5 | 90.5 | 92.1 | 93.2 | 94.1 | 96.7 | 98.2 | 99.6 | 98.3 | 96.2 | 93.4 | 149.9 | 149.9 | 149.9 | 149.9 | 149.9 | 149.9 |
| TAMB 57. DEG F | 1000 | 85.3 | 87.3 | 99.4 | 90.4 | 91.7 | 93.6 | 94.7 | 96.9 | 97.9 | 97.7 | 97.4 | 95.8 | 94.8 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 | 149.4 |
| (237. DEG K) | 1250 | 84.0 | 86.3 | 98.6 | 90.1 | 91.7 | 93.0 | 95.7 | 97.3 | 98.1 | 97.4 | 96.6 | 95.9 | 96.7 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 |
| TWET 55. DEG F | 1600 | 82.9 | 85.2 | 97.1 | 89.1 | 91.1 | 92.7 | 94.6 | 96.6 | 97.8 | 97.5 | 96.9 | 96.3 | 96.7 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 |
| (236. DEG K) | 2000 | 81.1 | 85.7 | 97.3 | 88.5 | 90.8 | 91.2 | 94.1 | 95.8 | 97.5 | 96.9 | 96.3 | 96.4 | 97.4 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 |
| HACT10.60 GM/M3 | 2500 | 79.6 | 83.8 | 96.0 | 87.0 | 90.0 | 90.6 | 93.2 | 94.1 | 96.2 | 95.4 | 93.6 | 96.4 | 97.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 |
| (.01000 KG/M3) | 3150 | 78.5 | 82.8 | 95.0 | 87.4 | 89.9 | 90.5 | 93.4 | 93.4 | 95.7 | 94.7 | 93.3 | 96.8 | 98.0 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 | 147.6 |
| FREQ. SHIFT | 4000 | 76.9 | 80.3 | 93.2 | 85.3 | 88.8 | 88.6 | 92.0 | 91.1 | 93.4 | 92.2 | 91.1 | 94.3 | 95.9 | 145.9 | 145.9 | 145.9 | 145.9 | 145.9 | 145.9 |
| JET | 5000 | 75.6 | 79.7 | 91.6 | 84.1 | 86.6 | 86.8 | 88.4 | 89.0 | 92.4 | 89.8 | 90.1 | 90.9 | 93.7 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 |
| DIAMETER RATIO | 6300 | 74.8 | 79.9 | 92.9 | 85.1 | 87.8 | 86.8 | 89.5 | 88.8 | 90.4 | 88.6 | 87.2 | 91.3 | 92.5 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 | 144.0 |
| DF/D4 5.15 | 8000 | 74.1 | 80.0 | 94.7 | 86.4 | 88.0 | 88.2 | 90.5 | 89.1 | 89.4 | 87.4 | 85.1 | 88.2 | 89.3 | 145.4 | 145.4 | 145.4 | 145.4 | 145.4 | 145.4 |
| | 10000 | 75.6 | 82.2 | 97.5 | 89.0 | 89.1 | 90.2 | 92.0 | 92.0 | 91.3 | 85.9 | 82.5 | 82.9 | 84.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 |
| | 12500 | 71.9 | 77.2 | 93.0 | 83.3 | 82.6 | 83.7 | 85.1 | 86.1 | 87.5 | 84.1 | 79.2 | 78.3 | 81.0 | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 |
| | 16000 | 71.7 | 75.6 | 92.1 | 80.2 | 79.4 | 80.7 | 86.7 | 82.4 | 83.9 | 84.9 | 77.0 | 77.8 | 80.3 | 145.9 | 145.9 | 145.9 | 145.9 | 145.9 | 145.9 |
| OVERALL CALCULATED | 96.8 | 99.1 | 111.1 | 102.1 | 103.7 | 104.7 | 106.5 | 108.3 | 110.2 | 112.4 | 115.2 | 117.2 | 117.3 | 124.3 | | | | | | |
| PND8 | 106.2 | 109.6 | 121.8 | 113.5 | 115.5 | 116.3 | 118.5 | 119.5 | 121.5 | 121.7 | 121.7 | 121.7 | 123.8 | 124.3 | | | | | | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 640 ACoustic RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | U. |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) |
| NO EGA | 50 | 46.9 | 54.0 | 66.6 | 56.6 | 58.3 | 60.3 | 63.1 | 64.3 | 64.8 | 66.3 | 72.9 | 72.6 | 70.9 |
| SIDELINE 2400. FT. | 63 | 50.4 | 56.3 | 65.9 | 59.9 | 61.9 | 62.9 | 63.9 | 67.8 | 65.1 | 66.6 | 70.1 | 74.8 | 73.2 |
| (731.52 M) | 80 | 52.4 | 56.0 | 69.3 | 59.9 | 61.1 | 62.9 | 63.9 | 66.4 | 67.8 | 72.3 | 76.2 | 76.8 | 74.0 |
| NFA | 100 | 52.6 | 56.0 | 68.6 | 59.9 | 62.1 | 64.1 | 64.9 | 66.6 | 68.6 | 73.3 | 77.9 | 78.2 | 74.2 |
| 1. RPM | 125 | 53.8 | 57.2 | 69.1 | 61.4 | 63.7 | 64.9 | 66.2 | 68.4 | 70.6 | 73.8 | 77.9 | 78.7 | 74.3 |
| (0. RAD/SEC) | 160 | 54.9 | 58.3 | 70.5 | 62.5 | 64.3 | 65.8 | 67.3 | 69.5 | 71.5 | 74.7 | 78.0 | 77.7 | 73.7 |
| HFK | 200 | 57.5 | 60.5 | 72.7 | 64.2 | 65.3 | 66.8 | 67.8 | 70.0 | 71.4 | 74.3 | 76.6 | 75.0 | 71.6 |
| (0. RAD/SEC) | 250 | 56.1 | 59.6 | 72.6 | 63.6 | 65.4 | 67.2 | 68.2 | 70.1 | 72.1 | 74.4 | 74.7 | 72.8 | 69.0 |
| NFD | 315 | 56.1 | 59.9 | 71.7 | 64.3 | 65.8 | 67.3 | 67.8 | 69.8 | 71.9 | 74.3 | 73.2 | 70.9 | 66.7 |
| (7500. RPM) | 400 | 55.7 | 59.4 | 72.9 | 63.9 | 65.6 | 66.4 | 68.1 | 70.3 | 71.2 | 72.7 | 71.3 | 68.2 | 62.4 |
| (785. RAD/SEC) | 500 | 55.6 | 59.6 | 72.4 | 63.8 | 65.9 | 66.9 | 67.6 | 69.8 | 71.6 | 71.7 | 68.9 | 65.4 | 58.7 |
| AIRFLOW RATIO | 500 | 55.1 | 58.7 | 72.7 | 64.1 | 65.9 | 66.5 | 67.2 | 69.3 | 69.8 | 69.7 | 66.2 | 60.6 | 52.0 |
| WF/WM 5.15 | 630 | 55.1 | 58.7 | 72.1 | 63.1 | 65.2 | 66.5 | 67.2 | 69.3 | 69.8 | 69.7 | 66.2 | 60.6 | 52.0 |
| VEHICLE | 800 | 53.3 | 57.6 | 72.1 | 62.2 | 64.2 | 66.2 | 67.2 | 68.7 | 68.7 | 66.9 | 64.2 | 58.9 | 51.4 |
| CELL41 | 1000 | 52.1 | 56.6 | 70.2 | 62.2 | 64.2 | 66.2 | 67.2 | 68.7 | 68.7 | 66.9 | 64.2 | 58.8 | 50.7 |
| CONFIG | 1250 | 49.4 | 54.4 | 68.4 | 61.0 | 63.2 | 64.8 | 65.9 | 66.2 | 67.9 | 65.5 | 62.1 | 58.5 | 46.7 |
| LOC C41 ANECH CH | 1600 | 46.4 | 51.7 | 65.5 | 58.7 | 61.4 | 63.3 | 64.9 | 66.2 | 63.9 | 59.4 | 55.5 | 46.7 | 43.2 |
| DATE 06-16-76 | 2000 | 42.3 | 50.2 | 64.0 | 56.6 | 59.7 | 60.3 | 62.9 | 63.8 | 64.2 | 61.5 | 55.5 | 52.5 | 43.2 |
| RUN CONFOHIGHFLW | 2500 | 37.4 | 45.6 | 60.2 | 53.5 | 56.7 | 57.6 | 59.9 | 59.9 | 60.5 | 57.2 | 51.4 | 47.8 | 36.9 |
| TAPE | 3150 | 30.9 | 40.0 | 55.3 | 49.6 | 53.2 | 54.1 | 56.7 | 55.7 | 56.0 | 52.0 | 45.8 | 41.3 | 27.0 |
| XD6400 | 4000 | 21.3 | 30.8 | 47.6 | 42.1 | 46.9 | 47.2 | 50.1 | 47.9 | 47.9 | 42.8 | 35.5 | 28.2 | 9.4 |
| FAN YIP SPEED | 5000 | 15.3 | 26.3 | 42.6 | 37.8 | 41.7 | 42.4 | 43.5 | 42.7 | 43.4 | 36.5 | 29.8 | 18.8 | 1.4 |
| FT/SEC | 6000 | 15.1 | 20.2 | 33.8 | 29.5 | 34.2 | 33.7 | 35.8 | 33.3 | 31.3 | 23.8 | 13.2 | 1.4 | 1.4 |
| OVERALL CALCULATED | 66.1 | 69.9 | 82.8 | 74.5 | 76.4 | 77.7 | 78.9 | 80.8 | 82.1 | 84.2 | 86.1 | 85.8 | 82.2 | 82.2 |
| PND8 | 69.9 | 74.7 | 88.6 | 80.4 | 83.0 | 84.4 | 86.0 | 87.3 | 88.0 | 88.4 | 88.1 | 86.3 | 81.1 | 81.1 |

453

OVERALL CALCULATED

PND8

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2660000

2664000

2668000

2672000

2676000

2680000

2684000

2688000

2692000

2696000

2700000

2704000

2708000

2712000

2716000

2720000

2724000

2728000

2732000

2736000

2740000

2744000

2748000

2752000

2756000

2760000

2764000

2768000

2772000

2776000

2780000

2784000

2788000

2792000

2796000

2800000

2804000

2808000

2812000

2816000

2820000

2824000

2828000

2832000

2836000

2840000

2844000

2848000

2852000

2856000

2860000

2864000

2868000

2872000

2876000

2880000

2884000

2888000

2892000

2896000

2900000

2904000

2908000

2912000

2916000

2920000

2924000

2928000

2932000

2936000

2940000

2944000

2948000

2952000

2956000

2960000

2964000

2968000

2972000

297

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 64c ACUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 8 DAY 26 HR. 22.1

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | P-L |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (U.) |
| NO EGA | 50 | 80.1 | 84.1 | 88.1 | 92.1 | 96.1 | 100.1 | 104.1 | 108.1 | 112.1 | 116.1 | 120.1 | 124.1 | 152.4 |
| RDG. NO. | 63 | 81.9 | 86.7 | 91.5 | 96.3 | 101.1 | 105.9 | 110.7 | 115.5 | 120.3 | 125.1 | 129.9 | 134.7 | 155.0 |
| C. | 80 | 83.7 | 88.0 | 92.3 | 96.6 | 100.9 | 105.2 | 109.5 | 113.8 | 118.1 | 122.4 | 126.7 | 131.0 | 156.7 |
| RADIAL 150. FT. | 100 | 84.5 | 88.0 | 91.5 | 95.0 | 98.5 | 102.0 | 105.5 | 109.0 | 112.5 | 116.0 | 119.5 | 123.0 | 158.3 |
| (40. M) | 125 | 86.1 | 89.6 | 93.1 | 96.6 | 100.1 | 103.6 | 107.1 | 110.6 | 114.1 | 117.6 | 121.1 | 124.6 | 159.5 |
| VEHICLE | 160 | 88.1 | 91.6 | 95.1 | 98.6 | 102.1 | 105.6 | 109.1 | 112.6 | 116.1 | 119.6 | 123.1 | 126.6 | 160.6 |
| CELL41 | 200 | 91.7 | 95.2 | 98.7 | 102.2 | 105.7 | 109.2 | 112.7 | 116.2 | 119.7 | 123.2 | 126.7 | 130.2 | 159.8 |
| NC57 | 250 | 90.3 | 93.8 | 97.3 | 100.8 | 104.3 | 107.8 | 111.3 | 114.8 | 118.3 | 121.8 | 125.3 | 128.8 | 159.4 |
| LOC C41 ANECH CH | 315 | 90.7 | 94.2 | 97.7 | 101.2 | 104.7 | 108.2 | 111.7 | 115.2 | 118.7 | 122.2 | 125.7 | 129.2 | 158.4 |
| DATE 06-16-76 | 400 | 93.2 | 96.7 | 100.2 | 103.7 | 107.2 | 110.7 | 114.2 | 117.7 | 121.2 | 124.7 | 128.2 | 131.7 | 156.7 |
| RUN CONFHIGHFLW | 500 | 99.3 | 102.8 | 106.3 | 109.8 | 113.3 | 116.8 | 120.3 | 123.8 | 127.3 | 130.8 | 134.3 | 137.8 | 155.9 |
| TAPE X06410 | 630 | 102.1 | 105.6 | 109.1 | 112.6 | 116.1 | 119.6 | 123.1 | 126.6 | 130.1 | 133.6 | 137.1 | 140.6 | 157.2 |
| BAR 29.3 HG | 800 | 99.4 | 102.9 | 106.4 | 109.9 | 113.4 | 116.9 | 120.4 | 123.9 | 127.4 | 130.9 | 134.4 | 137.9 | 156.6 |
| (98975. N/M2) | 1000 | 98.3 | 101.8 | 105.3 | 108.8 | 112.3 | 115.8 | 119.3 | 122.8 | 126.3 | 129.8 | 133.3 | 136.8 | 156.1 |
| TAMB 58. DEG F | 1250 | 96.9 | 100.4 | 103.9 | 107.4 | 110.9 | 114.4 | 117.9 | 121.4 | 124.9 | 128.4 | 131.9 | 135.4 | 155.9 |
| (288. DEG K) | 1600 | 95.9 | 99.4 | 102.9 | 106.4 | 109.9 | 113.4 | 116.9 | 120.4 | 123.9 | 127.4 | 130.9 | 134.4 | 155.4 |
| TWET 56. DEG F | 2000 | 92.8 | 96.3 | 99.8 | 103.3 | 106.8 | 110.3 | 113.8 | 117.3 | 120.8 | 124.3 | 127.8 | 131.3 | 153.5 |
| (286. DEG K) | 2500 | 89.8 | 93.3 | 96.8 | 100.3 | 103.8 | 107.3 | 110.8 | 114.3 | 117.8 | 121.3 | 124.8 | 128.3 | 151.8 |
| HACT10.99 GM/M3 | 3150 | 88.2 | 91.7 | 95.2 | 98.7 | 102.2 | 105.7 | 109.2 | 112.7 | 116.2 | 119.7 | 123.2 | 126.7 | 149.8 |
| (.01099 KG/M3) | 4000 | 85.4 | 88.9 | 92.4 | 95.9 | 99.4 | 102.9 | 106.4 | 109.9 | 113.4 | 116.9 | 120.4 | 123.9 | 150.2 |
| FREQ. SHIFT | 5000 | 83.3 | 86.8 | 90.3 | 93.8 | 97.3 | 100.8 | 104.3 | 107.8 | 111.3 | 114.8 | 118.3 | 121.8 | 151.8 |
| JET 7 | 6300 | 82.5 | 86.0 | 89.5 | 93.0 | 96.5 | 100.0 | 103.5 | 107.0 | 110.5 | 114.0 | 117.5 | 121.0 | 149.7 |
| DIAMETER RATIO | 8000 | 80.3 | 83.8 | 87.3 | 90.8 | 94.3 | 97.8 | 101.3 | 104.8 | 108.3 | 111.8 | 115.3 | 118.8 | 147.9 |
| DF/DN 5.15 | 10000 | 78.2 | 81.7 | 85.2 | 88.7 | 92.2 | 95.7 | 99.2 | 102.7 | 106.2 | 109.7 | 113.2 | 116.7 | 147.9 |
| | 12500 | 78.1 | 80.4 | 82.7 | 85.0 | 87.3 | 89.6 | 91.9 | 94.2 | 96.5 | 98.8 | 101.1 | 103.4 | 147.3 |
| | 16000 | 81.4 | 83.7 | 86.0 | 88.3 | 90.6 | 92.9 | 95.2 | 97.5 | 99.8 | 102.1 | 104.4 | 106.7 | 147.3 |
| OVERALL CALCULATED | 107.9 | 108.0 | 108.1 | 108.2 | 108.3 | 108.4 | 108.5 | 108.6 | 108.7 | 108.8 | 108.9 | 109.0 | 109.1 | 153.5 |
| PNDR 116.7 | 118.1 | 119.5 | 120.9 | 122.3 | 123.7 | 125.1 | 126.5 | 127.9 | 129.3 | 130.7 | 132.1 | 133.5 | 134.9 | 170.2 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS FOUR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 64/1 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

PROC. DATE - MONTH 8 DAY 26 HR. 22.1

| | FULL SIZE SOUND PRESSURE | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | |
|--------------------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--|--------|--------|--------|--------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| 50 | 51.9 | 57.5 | 69.8 | 60.1 | 62.1 | 64.1 | 66.6 | 67.3 | 68.1 | 61.5 | 75.9 | 76.9 | 74.7 | | | |
| 63 | 53.7 | 60.0 | 69.4 | 62.6 | 65.7 | 66.2 | 66.9 | 68.6 | 70.4 | 63.8 | 77.7 | 79.9 | 77.4 | | | |
| SIDELINE 2400. FT. | 80 | 55.4 | 59.2 | 72.3 | 62.9 | 64.6 | 66.1 | 66.9 | 69.9 | 71.6 | 65.8 | 80.7 | 81.5 | 78.0 | | |
| (731.52 M) | 100 | 56.1 | 59.2 | 71.3 | 63.1 | 65.4 | 66.9 | 68.4 | 70.6 | 72.8 | 68.0 | 82.4 | 83.5 | 78.4 | | |
| NFA | 125 | 57.6 | 60.7 | 72.4 | 64.4 | 66.4 | 67.9 | 69.7 | 71.6 | 73.9 | 68.3 | 83.6 | 84.4 | 79.8 | | |
| (0. RAD/SEC) | 160 | 59.4 | 61.6 | 74.2 | 65.8 | 67.8 | 69.3 | 70.1 | 73.0 | 75.2 | 68.9 | 84.5 | 84.2 | 79.4 | | |
| NFK | 200 | 62.8 | 65.0 | 77.2 | 68.5 | 69.5 | 70.8 | 71.5 | 73.2 | 75.7 | 69.1 | 83.3 | 83.5 | 79.4 | | |
| (0. RAD/SEC) | 250 | 61.1 | 64.6 | 77.1 | 67.9 | 69.4 | 70.9 | 71.9 | 74.6 | 76.3 | 69.2 | 81.7 | 83.0 | 78.2 | | |
| NFD | 315 | 61.1 | 63.9 | 75.4 | 67.8 | 69.8 | 71.3 | 71.6 | 73.8 | 76.2 | 68.8 | 79.7 | 81.7 | 76.4 | | |
| (785. RAD/SEC) | 400 | 63.2 | 64.6 | 77.7 | 68.3 | 69.3 | 70.6 | 71.8 | 74.3 | 76.2 | 68.0 | 77.5 | 77.9 | 73.1 | | |
| AIRFLOW RATIO | 500 | 68.6 | 68.6 | 78.7 | 68.5 | 69.9 | 70.7 | 71.6 | 73.6 | 75.9 | 66.4 | 74.9 | 75.4 | 69.2 | | |
| WFAHM 5.15 | 630 | 70.9 | 71.7 | 82.7 | 72.1 | 71.4 | 71.0 | 71.2 | 73.8 | 75.9 | 66.1 | 73.0 | 72.7 | 66.2 | | |
| VEHICLE | 800 | 67.3 | 69.3 | 81.8 | 72.8 | 72.9 | 71.5 | 71.2 | 73.3 | 74.3 | 64.2 | 69.9 | 68.9 | 60.8 | | |
| CELL41 | 1000 | 65.1 | 68.1 | 80.2 | 72.0 | 72.9 | 73.5 | 71.4 | 72.5 | 73.2 | 61.7 | 67.7 | 65.4 | 57.9 | | |
| CONFIG NC57 | 1250 | 62.4 | 66.1 | 78.4 | 70.0 | 71.2 | 72.8 | 73.2 | 72.3 | 72.6 | 60.3 | 65.6 | 62.6 | 55.2 | | |
| LOC C41 ANECH CH | 1600 | 59.4 | 62.7 | 76.0 | 67.9 | 70.2 | 70.3 | 71.4 | 71.7 | 71.2 | 58.4 | 63.1 | 59.3 | 52.2 | | |
| DATE 06-16-76 | 2000 | 54.0 | 60.2 | 73.0 | 66.1 | 68.4 | 68.0 | 68.9 | 69.8 | 70.0 | 55.7 | 60.3 | 57.7 | 48.9 | | |
| RUN CONF08IGHFLW | 2500 | 47.6 | 54.3 | 68.9 | 62.0 | 64.9 | 65.3 | 66.2 | 66.1 | 66.7 | 52.4 | 56.1 | 53.0 | 42.6 | | |
| TAPE X06410 | 3150 | 40.7 | 48.0 | 63.5 | 57.3 | 60.2 | 60.8 | 62.9 | 61.9 | 62.5 | 47.2 | 50.5 | 46.0 | 31.7 | | |
| FAN TIP SPEED | 4000 | 29.8 | 39.0 | 55.3 | 49.0 | 54.1 | 54.1 | 56.1 | 54.1 | 53.5 | 37.7 | 39.7 | 33.7 | 15.4 | | |
| FT/SEC | 5000 | 23.0 | 33.8 | 50.0 | 44.2 | 48.7 | 48.9 | 49.4 | 48.5 | 48.8 | 31.6 | 34.0 | 24.0 | 3.4 | | |
| | 6300 | 8.4 | 21.5 | 40.5 | 35.4 | 40.3 | 40.1 | 41.7 | 38.7 | 36.8 | 18.2 | 18.1 | 7.8 | | | |
| | 8000 | | 2.0 | 24.0 | 20.8 | 25.5 | 26.3 | 27.5 | 23.5 | 20.1 | | | | | | |
| | | | 0.4 | | 2.3 | | 5.3 | 5.2 | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 76.1 | 77.9 | 89.7 | 80.8 | 81.9 | 82.6 | 83.1 | 84.8 | 86.5 | 78.7 | 91.7 | 92.4 | 88.0 | | | |
| PNDB | 82.0 | 84.4 | 96.7 | 88.1 | 90.1 | 90.5 | 91.4 | 92.3 | 93.1 | 83.0 | 94.0 | 94.1 | 88.8 | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 6 | 64/ | 731.5m(2400ft.) | SIDELINE
FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 26 HR. 22.0
F. 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | | NO EGA | | FREQ. | | 40. | | 50. | | 60. | | 70. | | 80. | | 90. | | 100. | | 110. | | 120. | | 130. | | 140. | | 150. | | 160. | | 170. | | 180. | | 190. | | 200. | | 210. | | 220. | | 230. | | 240. | | 250. | | 260. | | 270. | | 280. | | 290. | | 300. | | 310. | | 320. | | 330. | | 340. | | 350. | | 360. | | 370. | | 380. | | 390. | | 400. | | 410. | | 420. | | 430. | | 440. | | 450. | | 460. | | 470. | | 480. | | 490. | | 500. | | 510. | | 520. | | 530. | | 540. | | 550. | | 560. | | 570. | | 580. | | 590. | | 600. | | 610. | | 620. | | 630. | | 640. | | 650. | | 660. | | 670. | | 680. | | 690. | | 700. | | 710. | | 720. | | 730. | | 740. | | 750. | | 760. | | 770. | | 780. | | 790. | | 800. | | 810. | | 820. | | 830. | | 840. | | 850. | | 860. | | 870. | | 880. | | 890. | | 900. | | 910. | | 920. | | 930. | | 940. | | 950. | | 960. | | 970. | | 980. | | 990. | | 1000. | | 1010. | | 1020. | | 1030. | | 1040. | | 1050. | | 1060. | | 1070. | | 1080. | | 1090. | | 1100. | | 1110. | | 1120. | | 1130. | | 1140. | | 1150. | | 1160. | | 1170. | | 1180. | | 1190. | | 1200. | | 1210. | | 1220. | | 1230. | | 1240. | | 1250. | | 1260. | | 1270. | | 1280. | | 1290. | | 1300. | | 1310. | | 1320. | | 1330. | | 1340. | | 1350. | | 1360. | | 1370. | | 1380. | | 1390. | | 1400. | | 1410. | | 1420. | | 1430. | | 1440. | | 1450. | | 1460. | | 1470. | | 1480. | | 1490. | | 1500. | | 1510. | | 1520. | | 1530. | | 1540. | | 1550. | | 1560. | | 1570. | | 1580. | | 1590. | | 1600. | | 1610. | | 1620. | | 1630. | | 1640. | | 1650. | | 1660. | | 1670. | | 1680. | | 1690. | | 1700. | | 1710. | | 1720. | | 1730. | | 1740. | | 1750. | | 1760. | | 1770. | | 1780. | | 1790. | | 1800. | | 1810. | | 1820. | | 1830. | | 1840. | | 1850. | | 1860. | | 1870. | | 1880. | | 1890. | | 1900. | | 1910. | | 1920. | | 1930. | | 1940. | | 1950. | | 1960. | | 1970. | | 1980. | | 1990. | | 2000. | | 2010. | | 2020. | | 2030. | | 2040. | | 2050. | | 2060. | | 2070. | | 2080. | | 2090. | | 2100. | | 2110. | | 2120. | | 2130. | | 2140. | | 2150. | | 2160. | | 2170. | | 2180. | | 2190. | | 2200. | | 2210. | | 2220. | | 2230. | | 2240. | | 2250. | | 2260. | | 2270. | | 2280. | | 2290. | | 2300. | | 2310. | | 2320. | | 2330. | | 2340. | | 2350. | | 2360. | | 2370. | | 2380. | | 2390. | | 2400. | | 2410. | | 2420. | | 2430. | | 2440. | | 2450. | | 2460. | | 2470. | | 2480. | | 2490. | | 2500. | | 2510. | | 2520. | | 2530. | | 2540. | | 2550. | | 2560. | | 2570. | | 2580. | | 2590. | | 2600. | | 2610. | | 2620. | | 2630. | | 2640. | | 2650. | | 2660. | | 2670. | | 2680. | | 2690. | | 2700. | | 2710. | | 2720. | | 2730. | | 2740. | | 2750. | | 2760. | | 2770. | | 2780. | | 2790. | | 2800. | | 2810. | | 2820. | | 2830. | | 2840. | | 2850. | | 2860. | | 2870. | | 2880. | | 2890. | | 2900. | | 2910. | | 2920. | | 2930. | | 2940. | | 2950. | | 2960. | | 2970. | | 2980. | | 2990. | | 3000. | | 3010. | | 3020. | | 3030. | | 3040. | | 3050. | | 3060. | | 3070. | | 3080. | | 3090. | | 3100. | | 3110. | | 3120. | | 3130. | | 3140. | | 3150. | | 3160. | | 3170. | | 3180. | | 3190. | | 3200. | | 3210. | | 3220. | | 3230. | | 3240. | | 3250. | | 3260. | | 3270. | | 3280. | | 3290. | | 3300. | | 3310. | | 3320. | | 3330. | | 3340. | | 3350. | | 3360. | | 3370. | | 3380. | | 3390. | | 3400. | | 3410. | | 3420. | | 3430. | | 3440. | | 3450. | | 3460. | | 3470. | | 3480. | | 3490. | | 3500. | | 3510. | | 3520. | | 3530. | | 3540. | | 3550. | | 3560. | | 3570. | | 3580. | | 3590. | | 3600. | | 3610. | | 3620. | | 3630. | | 3640. | | 3650. | | 3660. | | 3670. | | 3680. | | 3690. | | 3700. | | 3710. | | 3720. | | 3730. | | 3740. | | 3750. | | 3760. | | 3770. | | 3780. | | 3790. | | 3800. | | 3810. | | 3820. | | 3830. | | 3840. | | 3850. | | 3860. | | 3870. | | 3880. | | 3890. | | 3900. | | 3910. | | 3920. | | 3930. | | 3940. | | 3950. | | 3960. | | 3970. | | 3980. | | 3990. | | 4000. | | 4010. | | 4020. | | 4030. | | 4040. | | 4050. | | 4060. | | 4070. | | 4080. | | 4090. | | 4100. | | 4110. | | 4120. | | 4130. | | 4140. | | 4150. | | 4160. | | 4170. | | 4180. | | 4190. | | 4200. | | 4210. | | 4220. | | 4230. | | 4240. | | 4250. | | 4260. | | 4270. | | 4280. | | 4290. | | 4300. | | 4310. | | 4320. | | 4330. | | 4340. | | 4350. | | 4360. | | 4370. | | 4380. | | 4390. | | 4400. | | 4410. | | 4420. | | 4430. | | 4440. | | 4450. | | 4460. | | 4470. | | 4480. | | 4490. | | 4500. | | 4510. | | 4520. | | 4530. | | 4540. | | 4550. | | 4560. | | 4570. | | 4580. | | 4590. | | 4600. | | 4610. | | 4620. | | 4630. | | 4640. | | 4650. | | 4660. | | 4670. | | 4680. | | 4690. | | 4700. | | 4710. | | 4720. | | 4730. | | 4740. | | 4750. | | 4760. | | 4770. | | 4780. | | 4790. | | 4800. | | 4810. | | 4820. | | 4830. | | 4840. | | 4850. | | 4860. | | 4870. | | 4880. | | 4890. | | 4900. | | 4910. | | 4920. | | 4930. | | 4940. | | 4950. | | 4960. | | 4970. | | 4980. | | 4990. | | 5000. | | 5010. | | 5020. | | 5030. | | 5040. | | 5050. | | 5060. | | 5070. | | 5080. | | 5090. | | 5100. | | 5110. | | 5120. | | 5130. | | 5140. | | 5150. | | 5160. | | 5170. | | 5180. | | 5190. | | 5200. | | 5210. | | 5220. | | 5230. | | 5240. | | 5250. | | 5260. | | 5270. | | 5280. | | 5290. | | 5300. | | 5310. | | 5320. | | 5330. | | 5340. | | 5350. | | 5360. | | 5370. | | 5380. | | 5390. | | 5400. | | 5410. | | 5420. | | 5430. | | 5440. | | 5450. | | 5460. | | 5470. | | 5480. | | 5490. | | 5500. | | 5510. | | 5520. | | 5530. | | 5540. | | 5550. | | 5560. | | 5570. | | 5580. | | 5590. | | 5600. | | 5610. | | 5620. | | 5630. | | 5640. | | 5650. | | 5660. | | 5670. | | 5680. | | 5690. | | 5700. | | 5710. | | 5720. | | 5730. | | 5740. | | 5750. | | 5760. | | 5770. | | 5780. | | 5790. | | 5800. | | 5810. | | 5820. | | 5830. | | 5840. | | 5850. | | 5860. | | 5870. | | 5880. | | 5890. | | 5900. | | 5910. | | 5920. | | 5930. | | 5940. | | 5950. | | 5960. | | 5970. | | 5980. | | 5990. | | 6000. | | 6010. | | 6020. | | 6030. | | 6040. | | 6050. | | 6060. | | 6070. | | 6080. | | 6090. | | 6100. | | 6110. | | 6120. | | 6130. | | 6140. | | 6150. | | 6160. | | 6170. | | 6180. | | 6190. | | 6200. | | 6210. | | 6220. | | 6230. | | 6240. | | 6250. | | 6260. | | 6270. | | 6280. | | 6290. | | 6300. | | 6310. | | 6320. | | 6330. | | 6340. | | 6350. | | 6360. | | 6370. | | 6380. | | 6390. | | 6400. | | 6410. | | 6420. | | 6430. | | 6440. | | 6450. | | 6460. | | 6470. | | 6480. | | 6490. | | 6500. | | 6510. | | 6520. | | 6530. | | 6540. | | 6550. | | 6560. | | 6570. | | 6580. | | 6590. | | 6600. | | 6610. | | 6620. | | 6630. | | 6640. | | 6650. | | 6660. | | 6670. | | 6680. | | 6690. | | 6700. | | 6710. | | 6720. | | 6730. | | 6740. | | 6750. | | 6760. | | 6770. | | 6780. | | 6790. | | 6800. | | 6810. | | 6820. | | 6830. | | 6840. | | 6850. | | 6860. | | 6870. | | 6880. | | 6890. | | 6900. | | 6910. | | 6920. | | 6930. | | 6940. | | 6950. | | 6960. | | 6970. | | 6980. | | 6990. | | 7000. | | 7010. | | 7020. | | 7030. | | 7040. | | 7050. | | 7060. | | 7070. | | 7080. | | 7090. | | 7100. | | 7110. | | 7120. | | 7130. | | 7140. | | 7150. | | 7160. | | 7170. | | 7180. | | 7190. | | 7200. | | 7210. | | 7220. | | 7230. | | 7240. | | 7250. | | 7260. | | 7270. | | 7280. | | 7290. | | 7300. | | 7310. | | 7320. | | 7330. | | 7340. | | 7350. | | 7360. | | 7370. | | 7380. | | 7390. | | 7400. | | 7410. | | 7420. | | 7430. | | 7440. | | 7450. | | 7460. | | 7470. | | 7480. | | 7490. | | 7500. | | 7510. | | 7520. | | 7530. | | 7540. | | 7550. | | 7560. | | 7570. | | 7580. | | 7590. | | 7600. | | 7610. | | 7620. | | 7630. | | 7640. | | 7650. | | 7660. | | 7670. | | 7680. | | 7690. | | 7700. | | 7710. | | 7720. | | 7730. | | 7740. | | 7750. | | 7760. | | 7770. | | 7780. | | 7790. | | 7800. | | 7810. | | 7820. | | 7830. | | 7840. | | 7850. | | 7860. | | 7870. | | 7880. | | 7890. | | 7900. | | 7910. | | 7920. | | 7930. | | 7940. | | 7950. | | 7960. | | 7970. | | 7980. | | 7990. | | 8000. | | 8010. | | 8020. | | 8030. | | 8040. | | 8050. | | 8060. | | 8070. | | 8080. | | 8090. | | 8100. | | 8110. | | 8120. | | 8130. | | 8140. | | 8150. | | 8160. | | 8170. | | 8180. | | 8190. | | 8200. | | 8210. | | 8220. | | 8230. | | 8240. | | 8250. | | 8260. | | 8270. | | 8280. | | 8290. | | 8300. | | 8310. | | 8320. | | 8330. | | 8340. | | 8350. | | 8360. | | 8370. | | 8380. | | 8390. | | 8400. | | 8410. | | 8420. | | 8430. | | 8440. | | 8450. | | 8460. | | 8470. | | 8480. | | 8490. | | 8500. | | 8510. | | 8520. | | 8530. | | 8540. | | 8550. | | 8560. | | 8570. | | 8580. | | 8590. | | 8600. | | 8610. | | 8620. | | 8630. | | 8640. | | 8650. | | 8660. | | 8670. | | 8680. | | 8690. | | 8700. | | 8710. | | 8720. | | 8730. | | 8740. | | 8750. | | 8760. | | 8770. | | 8780. | | 8790. | | 8800. | | 8810. | | 8820. | | 8830. | | 8840. | | 8850. | | 8860. | | 8870. | | 8880. | | 8890. | | 8900. | | 8910. | | 8920. | | 8930. | | 8940. | | 8950. | | 8960. | | 8970. | | 8980. | | 8990. | | 9000. | | 9010. | | 9020. | | 9030. | | 9040. | | 9050. | | 9060. | | 9070. | | 9080. | | 9090. | | 9100. | | 9110. | | 9120. | | 9130. | | 9140. | | 9150. | | 9160. | | 9170. | | 9180. | | 9190. | | 9200. | | 9210. | | 9220. | | 9230. | | 9240. | | 9250. | | 9260. | | 9270. | | 9280. | | 9290. | | 9300. | | 9310. | | 9320. | | 9330. | | 9340. | | 9350. | | 9360. | | 9370. | | 9380. | | 9390. | | 9400. | | 9410. | | 9420. | | 9430. | | 9440. | | 9450. | | 9460. | | 9470. | | 9480. | | 9490. | | 9500. | | 9510. | | 9520. | | 9530. | | 9540. | | 9550. | | 9560. | | 9570. | | 9580. | | 9590. | | 9600. | | 9610. | | 9620. | | 9630. | | 9640. | | 9650. | | 9660. | | 9670. | | 9680. | | 9690. | | 9700. | | 9710. | | 9720. | | 9730. | | 9740. | | 9750. | | 9760. | | 9770. | | 9780. | | 9790. | | 9800. | | 9810. | | 9820. | | 9830. | | 9840. | | 9850. | | 9860. | | 9870. | | 9880. | | 9890. | | 9900. | | 9910. | | 9920. | | 9930. | | 9940. | | 9950. | | 9960. | | 9970. | | 9980. | | 9990. | | 10000. | | 10010. | | 10020. | | 10030. | | 10040. | | 10050. | | 10060. | | 10070. | | 10080. | | 10090. | | 10100. | | 10110. | | 10120. | | 10130. | | 10140. | | 10150. | | 10160. | | 10170. | | 10180. | | 10190. | | 10200. | | 10210. | | 10220. | | 10230. | | 10240. | | 10250. | | 10260. | | 10270. | | 10280. | | 10290. | | 10300. | | 10310. | | 10320. | | 10330. | | 10340. | | 10350. | | 10360. | | 10370. | |
|----------|--|--------|--|-------|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|----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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 6 | 64Z | 12.2m(40ft.) ARC |

SIZE
MODEL-25. cm²(194 in²)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| C | 642 | 731.5m(2400ft.) | FULL - 33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PROC. DATE - MONTH 8 DAY 26 HR. 22.1 | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| NO EGA | 50 | 78.8 | 82.1 | 83.1 | 83.4 | 84.5 | 85.3 | 86.0 | 86.6 |
| ROG. NO. | 63 | 79.7 | 84.2 | 85.2 | 85.5 | 86.1 | 86.7 | 87.1 | 87.5 |
| RADIAL 150. FT. | 80 | 82.7 | 84.5 | 86.7 | 86.5 | 87.6 | 88.9 | 90.9 | 93.0 |
| VEHICLE CELL 41 | 100 | 83.3 | 84.3 | 85.8 | 86.6 | 87.9 | 89.8 | 93.1 | 95.7 |
| CONFIG NC57 | 125 | 83.9 | 85.6 | 86.7 | 87.9 | 89.5 | 92.4 | 95.2 | 97.9 |
| LOC C41 ANECH CH | 160 | 85.6 | 87.2 | 87.9 | 89.5 | 90.8 | 93.6 | 96.2 | 99.4 |
| DATE 06-16-76 | 200 | 87.7 | 89.0 | 90.3 | 90.8 | 91.6 | 94.6 | 96.8 | 99.8 |
| RUN CONF6HGHFLW | 250 | 87.1 | 88.8 | 90.3 | 90.6 | 91.7 | 94.7 | 97.6 | 100.1 |
| TAPE X06430 | 315 | 87.4 | 89.4 | 90.7 | 91.2 | 92.6 | 95.1 | 97.5 | 100.7 |
| BAR 29.3 HG | 400 | 87.6 | 89.6 | 90.9 | 91.4 | 93.0 | 95.5 | 98.2 | 101.1 |
| (98975. N/M2) | 500 | 87.8 | 89.8 | 91.2 | 91.7 | 93.6 | 96.1 | 98.9 | 101.1 |
| TAMB 58. DEG F | 630 | 87.1 | 89.2 | 90.7 | 91.2 | 93.6 | 96.1 | 98.9 | 101.1 |
| (288. DEG K) | 800 | 86.3 | 88.6 | 90.6 | 91.9 | 93.2 | 95.8 | 98.2 | 101.1 |
| TWET 56. DEG F | 1000 | 85.2 | 87.5 | 89.8 | 91.6 | 93.4 | 96.0 | 98.7 | 101.2 |
| (286. DEG K) | 1250 | 84.4 | 86.7 | 89.0 | 91.3 | 93.4 | 96.0 | 98.7 | 101.2 |
| HACT10.99 GM/M3 | 1600 | 83.5 | 85.8 | 88.1 | 90.4 | 92.5 | 95.9 | 98.7 | 101.2 |
| (.01099 KG/M3) | 2000 | 82.3 | 84.6 | 86.9 | 89.2 | 91.5 | 94.7 | 97.4 | 100.5 |
| FREQ. SHIFT | 2500 | 80.5 | 82.8 | 85.1 | 87.4 | 89.7 | 92.4 | 95.1 | 97.8 |
| JET | 3150 | 78.6 | 80.9 | 83.2 | 85.5 | 87.8 | 90.4 | 93.1 | 95.8 |
| DIAMETER RATIO | 4000 | 76.3 | 78.6 | 80.9 | 83.2 | 85.5 | 88.1 | 90.8 | 93.5 |
| DF/DM 5.15 | 5000 | 75.5 | 77.8 | 80.1 | 82.4 | 84.7 | 87.3 | 90.0 | 92.7 |
| | 6300 | 73.3 | 75.6 | 77.9 | 80.2 | 82.5 | 85.1 | 87.8 | 90.5 |
| | 8000 | 70.9 | 73.2 | 75.5 | 77.8 | 80.1 | 82.8 | 85.5 | 88.2 |
| | 10000 | 69.3 | 71.6 | 73.9 | 76.2 | 78.5 | 81.2 | 83.9 | 86.6 |
| | 12500 | 67.4 | 69.7 | 72.0 | 74.3 | 76.6 | 79.3 | 82.0 | 84.7 |
| | 16000 | 65.4 | 67.7 | 70.0 | 72.3 | 74.6 | 77.3 | 80.0 | 82.7 |
| OVERALL CALCULATED | | 98.4 | 100.7 | 112.5 | 103.5 | 105.3 | 110.4 | 112.7 | 114.8 |
| PNOB 108.0 | | 111.3 | 123.6 | 115.2 | 117.4 | 125.4 | 120.6 | 121.9 | 124.3 |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 6 | 643 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | |
| (0.70) | (0.87) | (1.05) | (1.23) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |

| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
|-------|--|--|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| FREQ. | | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2)(3.4)(3.6)(3.8)(4.0)(4.2)(4.4)(4.6)(4.8)(5.0)(5.2)(5.4)(5.6)(5.8)(6.0)(6.2)(6.4)(6.6)(6.8)(7.0)(7.2)(7.4)(7.6)(7.8)(8.0)(8.2)(8.4)(8.6)(8.8)(9.0)(9.2)(9.4)(9.6)(9.8)(10.0)(10.2)(10.4)(10.6)(10.8)(11.0)(11.2)(11.4)(11.6)(11.8)(12.0)(12.2)(12.4)(12.6)(12.8)(13.0)(13.2)(13.4)(13.6)(13.8)(14.0)(14.2)(14.4)(14.6)(14.8)(15.0)(15.2)(15.4)(15.6)(15.8)(16.0)(16.2)(16.4)(16.6)(16.8)(17.0)(17.2)(17.4)(17.6)(17.8)(18.0)(18.2)(18.4)(18.6)(18.8)(19.0)(19.2)(19.4)(19.6)(19.8)(20.0)(20.2)(20.4)(20.6)(20.8)(21.0)(21.2)(21.4)(21.6)(21.8)(22.0)(22.2)(22.4)(22.6)(22.8)(23.0)(23.2)(23.4)(23.6)(23.8)(24.0)(24.2)(24.4)(24.6)(24.8)(25.0)(25.2)(25.4)(25.6)(25.8)(26.0)(26.2)(26.4)(26.6)(26.8)(27.0)(27.2)(27.4)(27.6)(27.8)(28.0)(28.2)(28.4)(28.6)(28.8)(29.0)(29.2)(29.4)(29.6)(29.8)(30.0)(30.2)(30.4)(30.6)(30.8)(31.0)(31.2)(31.4)(31.6)(31.8)(32.0)(32.2)(32.4)(32.6)(32.8)(33.0)(33.2)(33.4)(33.6)(33.8)(34.0)(34.2)(34.4)(34.6)(34.8)(35.0)(35.2)(35.4)(35.6)(35.8)(36.0)(36.2)(36.4)(36.6)(36.8)(37.0)(37.2)(37.4)(37.6)(37.8)(38.0)(38.2)(38.4)(38.6)(38.8)(39.0)(39.2)(39.4)(39.6)(39.8)(40.0)(40.2)(40.4)(40.6)(40.8)(41.0)(41.2)(41.4)(41.6)(41.8)(42.0)(42.2)(42.4)(42.6)(42.8)(43.0)(43.2)(43.4)(43.6)(43.8)(44.0)(44.2)(44.4)(44.6)(44.8)(45.0)(45.2)(45.4)(45.6)(45.8)(46.0)(46.2)(46.4)(46.6)(46.8)(47.0)(47.2)(47.4)(47.6)(47.8)(48.0)(48.2)(48.4)(48.6)(48.8)(49.0)(49.2)(49.4)(49.6)(49.8)(50.0)(50.2)(50.4)(50.6)(50.8)(51.0)(51.2)(51.4)(51.6)(51.8)(52.0)(52.2)(52.4)(52.6)(52.8)(53.0)(53.2)(53.4)(53.6)(53.8)(54.0)(54.2)(54.4)(54.6)(54.8)(55.0)(55.2)(55.4)(55.6)(55.8)(56.0)(56.2)(56.4)(56.6)(56.8)(57.0)(57.2)(57.4)(57.6)(57.8)(58.0)(58.2)(58.4)(58.6)(58.8)(59.0)(59.2)(59.4)(59.6)(59.8)(60.0)(60.2)(60.4)(60.6)(60.8)(61.0)(61.2)(61.4)(61.6)(61.8)(62.0)(62.2)(62.4)(62.6)(62.8)(63.0)(63.2)(63.4)(63.6)(63.8)(64.0)(64.2)(64.4)(64.6)(64.8)(65.0)(65.2)(65.4)(65.6)(65.8)(66.0)(66.2)(66.4)(66.6)(66.8)(67.0)(67.2)(67.4)(67.6)(67.8)(68.0)(68.2)(68.4)(68.6)(68.8)(69.0)(69.2)(69.4)(69.6)(69.8)(70.0)(70.2)(70.4)(70.6)(70.8)(71.0)(71.2)(71.4)(71.6)(71.8)(72.0)(72.2)(72.4)(72.6)(72.8)(73.0)(73.2)(73.4)(73.6)(73.8)(74.0)(74.2)(74.4)(74.6)(74.8)(75.0)(75.2)(75.4)(75.6)(75.8)(76.0)(76.2)(76.4)(76.6)(76.8)(77.0)(77.2)(77.4)(77.6)(77.8)(78.0)(78.2)(78.4)(78.6)(78.8)(79.0)(79.2)(79.4)(79.6)(79.8)(80.0)(80.2)(80.4)(80.6)(80.8)(81.0)(81.2)(81.4)(81.6)(81.8)(82.0)(82.2)(82.4)(82.6)(82.8)(83.0)(83.2)(83.4)(83.6)(83.8)(84.0)(84.2)(84.4)(84.6)(84.8)(85.0)(85.2)(85.4)(85.6)(85.8)(86.0)(86.2)(86.4)(86.6)(86.8)(87.0)(87.2)(87.4)(87.6)(87.8)(88.0)(88.2)(88.4)(88.6)(88.8)(89.0)(89.2)(89.4)(89.6)(89.8)(90.0)(90.2)(90.4)(90.6)(90.8)(91.0)(91.2)(91.4)(91.6)(91.8)(92.0)(92.2)(92.4)(92.6)(92.8)(93.0)(93.2)(93.4)(93.6)(93.8)(94.0)(94.2)(94.4)(94.6)(94.8)(95.0)(95.2)(95.4)(95.6)(95.8)(96.0)(96.2)(96.4)(96.6)(96.8)(97.0)(97.2)(97.4)(97.6)(97.8)(98.0)(98.2)(98.4)(98.6)(98.8)(99.0)(99.2)(99.4)(99.6)(99.8)(100.0)(100.2)(100.4)(100.6)(100.8)(101.0)(101.2)(101.4)(101.6)(101.8)(102.0)(102.2)(102.4)(102.6)(102.8)(103.0)(103.2)(103.4)(103.6)(103.8)(104.0)(104.2)(104.4)(104.6)(104.8)(105.0)(105.2)(105.4)(105.6)(105.8)(106.0)(106.2)(106.4)(106.6)(106.8)(107.0)(107.2)(107.4)(107.6)(107.8)(108.0)(108.2)(108.4)(108.6)(108.8)(109.0)(109.2)(109.4)(109.6)(109.8)(110.0)(110.2)(110.4)(110.6)(110.8)(111.0)(111.2)(111.4)(111.6)(111.8)(112.0)(112.2)(112.4)(112.6)(112.8)(113.0)(113.2)(113.4)(113.6)(113.8)(114.0)(114.2)(114.4)(114.6)(114.8)(115.0)(115.2)(115.4)(115.6)(115.8)(116.0)(116.2)(116.4)(116.6)(116.8)(117.0)(117.2)(117.4)(117.6)(117.8)(118.0)(118.2)(118.4)(118.6)(118.8)(119.0)(119.2)(119.4)(119.6)(119.8)(120.0)(120.2)(120.4)(120.6)(120.8)(121.0)(121.2)(121.4)(121.6)(121.8)(122.0)(122.2)(122.4)(122.6)(122.8)(123.0)(123.2)(123.4)(123.6)(123.8)(124.0)(124.2)(124.4)(124.6)(124.8)(125.0)(125.2)(125.4)(125.6)(125.8)(126.0)(126.2)(126.4)(126.6)(126.8)(127.0)(127.2)(127.4)(127.6)(127.8)(128.0)(128.2)(128.4)(128.6)(128.8)(129.0)(129.2)(129.4)(129.6)(129.8)(130.0)(130.2)(130.4)(130.6)(130.8)(131.0)(131.2)(131.4)(131.6)(131.8)(132.0)(132.2)(132.4)(132.6)(132.8)(133.0)(133.2)(133.4)(133.6)(133.8)(134.0)(134.2)(134.4)(134.6)(134.8)(135.0)(135.2)(135.4)(135.6)(135.8)(136.0)(136.2)(136.4)(136.6)(136.8)(137.0)(137.2)(137.4)(137.6)(137.8)(138.0)(138.2)(138.4)(138.6)(138.8)(139.0)(139.2)(139.4)(139.6)(139.8)(140.0)(140.2)(140.4)(140.6)(140.8)(141.0)(141.2)(141.4)(141.6)(141.8)(142.0)(142.2)(142.4)(142.6)(142.8)(143.0)(143.2)(143.4)(143.6)(143.8)(144.0)(144.2)(144.4)(144.6)(144.8)(145.0)(145.2)(145.4)(145.6)(145.8)(146.0)(146.2)(146.4)(146.6)(146.8)(147.0)(147.2)(147.4)(147.6)(147.8)(148.0)(148.2)(148.4)(148.6)(148.8)(149.0)(149.2)(149.4)(149.6)(149.8)(150.0)(150.2)(150.4)(150.6)(150.8)(151.0)(151.2)(151.4)(151.6)(151.8)(152.0)(152.2)(152.4)(152.6)(152.8)(153.0)(153.2)(153.4)(153.6)(153.8)(154.0)(154.2)(154.4)(154.6)(154.8)(155.0)(155.2)(155.4)(155.6)(155.8)(156.0)(156.2)(156.4)(156.6)(156.8)(157.0)(157.2)(157.4)(157.6)(157.8)(158.0)(158.2)(158.4)(158.6)(158.8)(159.0)(159.2)(159.4)(159.6)(159.8)(160.0)(160.2)(160.4)(160.6)(160.8)(161.0)(161.2)(161.4)(161.6)(161.8)(162.0)(162.2)(162.4)(162.6)(162.8)(163.0)(163.2)(163.4)(163.6)(163.8)(164.0)(164.2)(164.4)(164.6)(164.8)(165.0)(165.2)(165.4)(165.6)(165.8)(166.0)(166.2)(166.4)(166.6)(166.8)(167.0)(167.2)(167.4)(167.6)(167.8)(168.0)(168.2)(168.4)(168.6)(168.8)(169.0)(169.2)(169.4)(169.6)(169.8)(170.0)(170.2)(170.4)(170.6)(170.8)(171.0)(171.2)(171.4)(171.6)(171.8)(172.0)(172.2)(172.4)(172.6)(172.8)(173.0)(173.2)(173.4)(173.6)(173.8)(174.0)(174.2)(174.4)(174.6)(174.8)(175.0)(175.2)(175.4)(175.6)(175.8)(176.0)(176.2)(176.4)(176.6)(176.8)(177.0)(177.2)(177.4)(177.6)(177.8)(178.0)(178.2)(178.4)(178.6)(178.8)(179.0)(179.2)(179.4)(179.6)(179.8)(180.0)(180.2)(180.4)(180.6)(180.8)(181.0)(181.2)(181.4)(181.6)(181.8)(182.0)(182.2)(182.4)(182.6)(182.8)(183.0)(183.2)(183.4)(183.6)(183.8)(184.0)(184.2)(184.4)(184.6)(184.8)(185.0)(185.2)(185.4)(185.6)(185.8)(186.0)(186.2)(186.4)(186.6)(186.8)(187.0)(187.2)(187.4)(187.6)(187.8)(188.0)(188.2)(188.4)(188.6)(188.8)(189.0)(189.2)(189.4)(189.6)(189.8)(190.0)(190.2)(190.4)(190.6)(190.8)(191.0)(191.2)(191.4)(191.6)(191.8)(192.0)(192.2)(192.4)(192.6)(192.8)(193.0)(193.2)(193.4)(193.6)(193.8)(194.0)(194.2)(194.4)(194.6)(194.8)(195.0)(195.2)(195.4)(195.6)(195.8)(196.0)(196.2)(196.4)(196.6)(196.8)(197.0)(197.2)(197.4)(197.6)(197.8)(198.0)(198.2)(198.4)(198.6)(198.8)(199.0)(199.2)(199.4)(199.6)(199.8)(200.0)(200.2)(200.4)(200.6)(200.8)(201.0)(201.2)(201.4)(201.6)(201.8)(202.0)(202.2)(202.4)(202.6)(202.8)(203.0)(203.2)(203.4)(203.6)(203.8)(204.0)(204.2)(204.4)(204.6)(204.8)(205.0)(205.2)(205.4)(205.6)(205.8)(206.0)(206.2)(206.4)(206.6)(206.8)(207.0)(207.2)(207.4)(207.6)(207.8)(208.0)(208.2)(208.4)(208.6)(208.8)(209.0)(209.2)(209.4)(209.6)(209.8)(210.0)(210.2)(210.4)(210.6)(210.8)(211.0)(211.2)(211.4)(211.6)(211.8)(212.0)(212.2)(212.4)(212.6)(212.8)(213.0)(213.2)(213.4)(213.6)(213.8)(214.0)(214.2)(214.4)(214.6)(214.8)(215.0)(215.2)(215.4)(215.6)(215.8)(216.0)(216.2)(216.4)(216.6)(216.8)(217.0)(217.2)(217.4)(217.6)(217.8)(218.0)(218.2)(218.4)(218.6)(218.8)(219.0)(219.2)(219.4)(219.6)(219.8)(220.0)(220.2)(220.4)(220.6)(220.8)(221.0)(221.2)(221.4)(221.6)(221.8)(222.0)(222.2)(222.4)(222.6)(222.8)(223.0)(223.2)(223.4)(223.6)(223.8)(224.0)(224.2)(224.4)(224.6)(224.8)(225.0)(225.2)(225.4)(225.6)(225.8)(226.0)(226.2)(226.4)(226.6)(226.8)(227.0)(227.2)(227.4)(227.6)(227.8)(228.0)(228.2)(228.4)(228.6)(228.8)(229.0)(229.2)(229.4)(229.6)(229.8)(230.0)(230.2)(230.4)(230.6)(230.8)(231.0)(231.2)(231.4)(231.6)(231.8)(232.0)(232.2)(232.4)(232.6)(232.8)(233.0)(233.2)(233.4)(233.6)(233.8)(234.0)(234.2)(234.4)(234.6)(234.8)(235.0)(235.2)(235.4)(235.6)(235.8)(236.0)(236.2)(236.4)(236.6)(236.8)(237.0)(237.2)(237.4)(237.6)(237.8)(238.0)(238.2)(238.4)(238.6)(238.8)(239.0)(239.2)(239.4)(239.6)(239.8)(240.0)(240.2)(240.4)(240.6)(240.8)(241.0)(241.2)(241.4)(241.6)(241.8)(242.0)(242.2)(242.4)(242.6)(242.8)(243.0)(243.2)(243.4)(243.6)(243.8)(244.0)(244.2)(244.4)(244.6)(244.8)(245.0)(245.2)(245.4)(245.6)(245.8)(246.0)(246.2)(246.4)(246.6)(246.8)(247.0)(247.2)(247.4)(247.6)(247.8)(248.0)(248.2)(248.4)(248.6)(248.8)(249.0)(249.2)(249.4)(249.6)(249.8)(250.0)(250.2)(250.4)(250.6)(250.8)(251.0)(251.2)(251.4)(251.6)(251.8)(252.0)(252.2)(252.4)(252.6)(252.8)(253.0)(253.2)(253.4)(253.6)(253.8)(254.0)(254.2)(254.4)(254.6)(254.8)(255.0)(255.2)(255.4)(255.6)(255.8)(256.0)(256.2)(256.4)(256.6)(256.8)(257.0)(257.2)(257.4)(257.6)(257.8)(258.0)(258.2)(258.4)(258.6)(258.8)(259.0)(259.2)(259.4)(259.6)(259.8)(260.0)(260.2)(260.4)(260.6)(260.8)(261.0)(261.2)(261.4)(261.6)(261.8)(262.0)(262.2)(262.4)(262.6)(262.8)(263.0)(263.2)(263.4)(263.6)(263.8)(264.0)(264.2)(264.4)(264.6)(264.8)(265.0)(265.2)(265.4)(265.6)(265.8)(266.0)(266.2)(266.4)(266.6)(266.8)(267.0)(267.2)(267.4)(267.6)(267.8)(268.0)(268.2)(268.4)(268.6)(268.8)(269.0)(269.2)(269.4)(269.6)(269.8)(270.0)(270.2)(270.4)(270.6)(270.8)(271.0)(271.2)(271.4)(271.6)(271.8)(272.0)(272.2)(272.4)(272.6)(272.8)(273.0)(273.2)(273.4)(273.6)(273.8)(274.0)(274.2)(274.4)(274.6)(274.8)(275.0)(275.2)(275.4)(275.6)(275.8)(276.0)(276.2)(276.4)(276.6)(276.8)(277.0)(277.2)(277.4)(277.6)(277.8)(278.0)(278.2)(278.4)(278.6)(278.8)(279.0)(279.2)(279.4)(279.6)(279.8)(280.0)(280.2)(280.4)(280.6)(280.8)(281.0)(281.2)(281.4)(281.6)(281.8)(282.0)(282.2)(282.4)(282.6)(282.8)(283.0)(283.2)(283.4)(283.6)(283.8)(284.0)(284.2)(284.4)(284.6)(284.8)(285.0)(285.2)(285.4)(285.6)(285.8)(286.0)(286.2)(286.4)(286.6)(286.8)(287.0)(287.2)(287.4)(287.6)(287.8)(288.0)(288.2)(288.4)(288.6)(288.8)(289.0)(289.2)(289.4)(289.6)(289.8)(290.0)(290.2)(290.4)(290.6)(290.8)(291.0)(291.2)(291.4)(291.6)(291.8)(292.0)(292.2)(292.4)(292.6)(292.8)(293.0)(293.2)(293.4)(293.6)(293.8)(294.0)(294.2)(294.4)(294.6)(294.8)(295.0)(295.2)(295.4)(295.6)(295.8)(296.0)(296.2)(296.4)(296.6)(296.8)(297.0)(297.2)(297.4)(297.6)(297.8)(298.0)(298.2)(298.4)(298.6)(298.8)(299.0)(299.2)(299.4)(299.6)(299.8)(300.0)(300.2)(300.4)(300.6)(300.8)(301.0)(301.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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 6 | 643 | 731.5m(2400ft.) | FULL-33m ² (5131m ²) |

PROGRAM
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY - JENOTS)
PROC. DATE - MONTH. 8 DAY 26 HR. 22-0
ANGLES FROM INLET IN DEGREES (AND RADIAN)

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| RDG. NO. | | FREQ. | | 40. | | 50. | | 60. | | 70. | | 80. | | 90. | | 100. | | 110. | | 120. | | 130. | | 140. | | 150. | | 160. | | 170. | | 180. | | 190. | | 200. | | 210. | | 220. | | 230. | | 240. | | 250. | | 260. | | 270. | | 280. | | 290. | | 300. | | 310. | | 320. | | 330. | | 340. | | 350. | | 360. | | 370. | | 380. | | 390. | | 400. | | 410. | | 420. | | 430. | | 440. | | 450. | | 460. | | 470. | | 480. | | 490. | | 500. | | 510. | | 520. | | 530. | | 540. | | 550. | | 560. | | 570. | | 580. | | 590. | | 600. | | 610. | | 620. | | 630. | | 640. | | 650. | | 660. | | 670. | | 680. | | 690. | | 700. | | 710. | | 720. | | 730. | | 740. | | 750. | | 760. | | 770. | | 780. | | 790. | | 800. | | 810. | | 820. | | 830. | | 840. | | 850. | | 860. | | 870. | | 880. | | 890. | | 900. | | 910. | | 920. | | 930. | | 940. | | 950. | | 960. | | 970. | | 980. | | 990. | | 1000. | | 1010. | | 1020. | | 1030. | | 1040. | | 1050. | | 1060. | | 1070. | | 1080. | | 1090. | | 1100. | | 1110. | | 1120. | | 1130. | | 1140. | | 1150. | | 1160. | | 1170. | | 1180. | | 1190. | | 1200. | | 1210. | | 1220. | | 1230. | | 1240. | | 1250. | | 1260. | | 1270. | | 1280. | | 1290. | | 1300. | | 1310. | | 1320. | | 1330. | | 1340. | | 1350. | | 1360. | | 1370. | | 1380. | | 1390. | | 1400. | | 1410. | | 1420. | | 1430. | | 1440. | | 1450. | | 1460. | | 1470. | | 1480. | | 1490. | | 1500. | | 1510. | | 1520. | | 1530. | | 1540. | | 1550. | | 1560. | | 1570. | | 1580. | | 1590. | | 1600. | | 1610. | | 1620. | | 1630. | | 1640. | | 1650. | | 1660. | | 1670. | | 1680. | | 1690. | | 1700. | | 1710. | | 1720. | | 1730. | | 1740. | | 1750. | | 1760. | | 1770. | | 1780. | | 1790. | | 1800. | | 1810. | | 1820. | | 1830. | | 1840. | | 1850. | | 1860. | | 1870. | | 1880. | | 1890. | | 1900. | | 1910. | | 1920. | | 1930. | | 1940. | | 1950. | | 1960. | | 1970. | | 1980. | | 1990. | | 2000. | | 2010. | | 2020. | | 2030. | | 2040. | | 2050. | | 2060. | | 2070. | | 2080. | | 2090. | | 2100. | | 2110. | | 2120. | | 2130. | | 2140. | | 2150. | | 2160. | | 2170. | | 2180. | | 2190. | | 2200. | | 2210. | | 2220. | | 2230. | | 2240. | | 2250. | | 2260. | | 2270. | | 2280. | | 2290. | | 2300. | | 2310. | | 2320. | | 2330. | | 2340. | | 2350. | | 2360. | | 2370. | | 2380. | | 2390. | | 2400. | | 2410. | | 2420. | | 2430. | | 2440. | | 2450. | | 2460. | | 2470. | | 2480. | | 2490. | | 2500. | | 2510. | | 2520. | | 2530. | | 2540. | | 2550. | | 2560. | | 2570. | | 2580. | | 2590. | | 2600. | | 2610. | | 2620. | | 2630. | | 2640. | | 2650. | | 2660. | | 2670. | | 2680. | | 2690. | | 2700. | | 2710. | | 2720. | | 2730. | | 2740. | | 2750. | | 2760. | | 2770. | | 2780. | | 2790. | | 2800. | | 2810. | | 2820. | | 2830. | | 2840. | | 2850. | | 2860. | | 2870. | | 2880. | | 2890. | | 2900. | | 2910. | | 2920. | | 2930. | | 2940. | | 2950. | | 2960. | | 2970. | | 2980. | | 2990. | | 3000. | | 3010. | | 3020. | | 3030. | | 3040. | | 3050. | | 3060. | | 3070. | | 3080. | | 3090. | | 3100. | | 3110. | | 3120. | | 3130. | | 3140. | | 3150. | | 3160. | | 3170. | | 3180. | | 3190. | | 3200. | | 3210. | | 3220. | | 3230. | | 3240. | | 3250. | | 3260. | | 3270. | | 3280. | | 3290. | | 3300. | | 3310. | | 3320. | | 3330. | | 3340. | | 3350. | | 3360. | | 3370. | | 3380. | | 3390. | | 3400. | | 3410. | | 3420. | | 3430. | | 3440. | | 3450. | | 3460. | | 3470. | | 3480. | | 3490. | | 3500. | | 3510. | | 3520. | | 3530. | | 3540. | | 3550. | | 3560. | | 3570. | | 3580. | | 3590. | | 3600. | | 3610. | | 3620. | | 3630. | | 3640. | | 3650. | | 3660. | | 3670. | | 3680. | | 3690. | | 3700. | | 3710. | | 3720. | | 3730. | | 3740. | | 3750. | | 3760. | | 3770. | | 3780. | | 3790. | | 3800. | | 3810. | | 3820. | | 3830. | | 3840. | | 3850. | | 3860. | | 3870. | | 3880. | | 3890. | | 3900. | | 3910. | | 3920. | | 3930. | | 3940. | | 3950. | | 3960. | | 3970. | | 3980. | | 3990. | | 4000. | | 4010. | | 4020. | | 4030. | | 4040. | | 4050. | | 4060. | | 4070. | | 4080. | | 4090. | | 4100. | | 4110. | | 4120. | | 4130. | | 4140. | | 4150. | | 4160. | | 4170. | | 4180. | | 4190. | | 4200. | | 4210. | | 4220. | | 4230. | | 4240. | | 4250. | | 4260. | | 4270. | | 4280. | | 4290. | | 4300. | | 4310. | | 4320. | | 4330. | | 4340. | | 4350. | | 4360. | | 4370. | | 4380. | | 4390. | | 4400. | | 4410. | | 4420. | | 4430. | | 4440. | | 4450. | | 4460. | | 4470. | | 4480. | | 4490. | | 4500. | | 4510. | | 4520. | | 4530. | | 4540. | | 4550. | | 4560. | | 4570. | | 4580. | | 4590. | | 4600. | | 4610. | | 4620. | | 4630. | | 4640. | | 4650. | | 4660. | | 4670. | | 4680. | | 4690. | | 4700. | | 4710. | | 4720. | | 4730. | | 4740. | | 4750. | | 4760. | | 4770. | | 4780. | | 4790. | | 4800. | | 4810. | | 4820. | | 4830. | | 4840. | | 4850. | | 4860. | | 4870. | | 4880. | | 4890. | | 4900. | | 4910. | | 4920. | | 4930. | | 4940. | | 4950. | | 4960. | | 4970. | | 4980. | | 4990. | | 5000. | | 5010. | | 5020. | | 5030. | | 5040. | | 5050. | | 5060. | | 5070. | | 5080. | | 5090. | | 5100. | | 5110. | | 5120. | | 5130. | | 5140. | | 5150. | | 5160. | | 5170. | | 5180. | | 5190. | | 5200. | | 5210. | | 5220. | | 5230. | | 5240. | | 5250. | | 5260. | | 5270. | | 5280. | | 5290. | | 5300. | | 5310. | | 5320. | | 5330. | | 5340. | | 5350. | | 5360. | | 5370. | | 5380. | | 5390. | | 5400. | | 5410. | | 5420. | | 5430. | | 5440. | | 5450. | | 5460. | | 5470. | | 5480. | | 5490. | | 5500. | | 5510. | | 5520. | | 5530. | | 5540. | | 5550. | | 5560. | | 5570. | | 5580. | | 5590. | | 5600. | | 5610. | | 5620. | | 5630. | | 5640. | | 5650. | | 5660. | | 5670. | | 5680. | | 5690. | | 5700. | | 5710. | | 5720. | | 5730. | | 5740. | | 5750. | | 5760. | | 5770. | | 5780. | | 5790. | | 5800. | | 5810. | | 5820. | | 5830. | | 5840. | | 5850. | | 5860. | | 5870. | | 5880. | | 5890. | | 5900. | | 5910. | | 5920. | | 5930. | | 5940. | | 5950. | | 5960. | | 5970. | | 5980. | | 5990. | | 6000. | | 6010. | | 6020. | | 6030. | | 6040. | | 6050. | | 6060. | | 6070. | | 6080. | | 6090. | | 6100. | | 6110. | | 6120. | | 6130. | | 6140. | | 6150. | | 6160. | | 6170. | | 6180. | | 6190. | | 6200. | | 6210. | | 6220. | | 6230. | | 6240. | | 6250. | | 6260. | | 6270. | | 6280. | | 6290. | | 6300. | | 6310. | | 6320. | | 6330. | | 6340. | | 6350. | | 6360. | | 6370. | | 6380. | | 6390. | | 6400. | | 6410. | | 6420. | | 6430. | | 6440. | | 6450. | | 6460. | | 6470. | | 6480. | | 6490. | | 6500. | | 6510. | | 6520. | | 6530. | | 6540. | | 6550. | | 6560. | | 6570. | | 6580. | | 6590. | | 6600. | | 6610. | | 6620. | | 6630. | | 6640. | | 6650. | | 6660. | | 6670. | | 6680. | | 6690. | | 6700. | | 6710. | | 6720. | | 6730. | | 6740. | | 6750. | | 6760. | | 6770. | | 6780. | | 6790. | | 6800. | | 6810. | | 6820. | | 6830. | | 6840. | | 6850. | | 6860. | | 6870. | | 6880. | | 6890. | | 6900. | | 6910. | | 6920. | | 6930. | | 6940. | | 6950. | | 6960. | | 6970. | | 6980. | | 6990. | | 7000. | | 7010. | | 7020. | | 7030. | | 7040. | | 7050. | | 7060. | | 7070. | | 7080. | | 7090. | | 7100. | | 7110. | | 7120. | | 7130. | | 7140. | | 7150. | | 7160. | | 7170. | | 7180. | | 7190. | | 7200. | | 7210. | | 7220. | | 7230. | | 7240. | | 7250. | | 7260. | | 7270. | | 7280. | | 7290. | | 7300. | | 7310. | | 7320. | | 7330. | | 7340. | | 7350. | | 7360. | | 7370. | | 7380. | | 7390. | | 7400. | | 7410. | | 7420. | | 7430. | | 7440. | | 7450. | | 7460. | | 7470. | | 7480. | | 7490. | | 7500. | | 7510. | | 7520. | | 7530. | | 7540. | | 7550. | | 7560. | | 7570. | | 7580. | | 7590. | | 7600. | | 7610. | | 7620. | | 7630. | | 7640. | | 7650. | | 7660. | | 7670. | | 7680. | | 7690. | | 7700. | | 7710. | | 7720. | | 7730. | | 7740. | | 7750. | | 7760. | | 7770. | | 7780. | | 7790. | | 7800. | | 7810. | | 7820. | | 7830. | | 7840. | | 7850. | | 7860. | | 7870. | | 7880. | | 7890. | | 7900. | | 7910. | | 7920. | | 7930. | | 7940. | | 7950. | | 7960. | | 7970. | | 7980. | | 7990. | | 8000. | | 8010. | | 8020. | | 8030. | | 8040. | | 8050. | | 8060. | | 8070. | | 8080. | | 8090. | | 8100. | | 8110. | | 8120. | | 8130. | | 8140. | | 8150. | | 8160. | | 8170. | | 8180. | | 8190. | | 8200. | | 8210. | | 8220. | | 8230. | | 8240. | | 8250. | | 8260. | | 8270. | | 8280. | | 8290. | | 8300. | | 8310. | | 8320. | | 8330. | | 8340. | | 8350. | | 8360. | | 8370. | | 8380. | | 8390. | | 8400. | | 8410. | | 8420. | | 8430. | | 8440. | | 8450. | | 8460. | | 8470. | | 8480. | | 8490. | | 8500. | | 8510. | | 8520. | | 8530. | | 8540. | | 8550. | | 8560. | | 8570. | | 8580. | | 8590. | | 8600. | | 8610. | | 8620. | | 8630. | | 8640. | | 8650. | | 8660. | | 8670. | | 8680. | | 8690. | | 8700. | | 8710. | | 8720. | | 8730. | | 8740. | | 8750. | | 8760. | | 8770. | | 8780. | | 8790. | | 8800. | | 8810. | | 8820. | | 8830. | | 8840. | | 8850. | | 8860. | | 8870. | | 8880. | | 8890. | | 8900. | | 8910. | | 8920. | | 8930. | | 8940. | | 8950. | | 8960. | | 8970. | | 8980. | | 8990. | | 9000. | | 9010. | | 9020. | | 9030. | | 9040. | | 9050. | | 9060. | | 9070. | | 9080. | | 9090. | | 9100. | | 9110. | | 9120. | | 9130. | | 9140. | | 9150. | | 9160. | | 9170. | | 9180. | | 9190. | | 9200. | | 9210. | | 9220. | | 9230. | | 9240. | | 9250. | | 9260. | | 9270. | | 9280. | | 9290. | | 9300. | | 9310. | | 9320. | | 9330. | | 9340. | | 9350. | | 9360. | | 9370. | | 9380. | | 9390. | | 9400. | | 9410. | | 9420. | | 9430. | | 9440. | | 9450. | | 9460. | | 9470. | | 9480. | | 9490. | | 9500. | | 9510. | | 9520. | | 9530. | | 9540. | | 9550. | | 9560. | | 9570. | | 9580. | | 9590. | | 9600. | | 9610. | | 9620. | | 9630. | | 9640. | | 9650. | | 9660. | | 9670. | | 9680. | | 9690. | | 9700. | | 9710. | | 9720. | | 9730. | | 9740. | | 9750. | | 9760. | | 9770. | | 9780. | | 9790. | | 9800. | | 9810. | | 9820. | | 9830. | | 9840. | | 9850. | | 9860. | | 9870. | | 9880. | | 9890. | | 9900. | | 9910. | | 9920. | | 9930. | | 9940. | | 9950. | | 9960. | | 9970. | | 9980. | | 9990. | | 10000. | | 10010. | | 10020. | | 10030. | | 10040. | | 10050. | | 10060. | | 10070. | | 10080. | | 10090. | | 10100. | | 10110. | | 10120. | | 10130. | | 10140. | | 10150. | | 10160. | | 10170. | | 10180. | | 10190. | | 10200. | | 10210. | | 10220. | | 10230. | | 10240. | | 10250. | | 10260. | | 10270. | | 10280. | | 10290. | | 10300. | | 10310. | | 10320. | | 10330. | | 10340. | | 10350. | | 10360. | | 10370. | | 10380. | |
|----------|--|-------|--|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-----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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 6 | 644 | 12.2m(40ft) .ARC | MODEL-125.cm ² (194.in ²) |

FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSUREPROC. DATE - MONTH 8 DAY 26 HR. 22.1
DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) |
| RDG. NO. 0. | 50 | 81.6 | 85.3 | 87.1 | 86.6 | 87.5 | 89.6 | 92.0 | 93.9 | 95.1 | 99.7 | 106.1 | 109.1 | 110.3 |
| RADIAL 150. FT. | 63 | 83.2 | 87.9 | 96.4 | 88.7 | 91.1 | 91.7 | 92.3 | 95.0 | 96.9 | 101.5 | 107.5 | 111.7 | 111.9 |
| (46. M) | 80 | 85.4 | 87.5 | 99.7 | 89.3 | 90.4 | 92.2 | 92.9 | 96.3 | 98.5 | 104.3 | 110.7 | 114.2 | 114.0 |
| VEHICLE | 100 | 85.3 | 87.3 | 98.8 | 89.6 | 90.7 | 93.1 | 94.2 | 96.6 | 99.3 | 106.4 | 112.3 | 115.5 | 114.1 |
| CELL41 | 125 | 86.9 | 88.7 | 99.9 | 90.9 | 92.5 | 94.2 | 95.5 | 98.2 | 101.4 | 106.5 | 112.9 | 116.6 | 114.9 |
| NC57 | 160 | 89.4 | 90.7 | 101.4 | 92.7 | 94.3 | 95.4 | 96.6 | 99.7 | 102.4 | 107.7 | 113.5 | 116.9 | 115.4 |
| CONFIG | 200 | 92.7 | 93.7 | 105.0 | 95.0 | 95.6 | 96.7 | 97.9 | 101.0 | 103.0 | 107.6 | 112.8 | 116.2 | 115.5 |
| LOC C41 ANECH CH | 250 | 91.3 | 92.8 | 104.3 | 94.6 | 96.5 | 97.8 | 98.5 | 101.6 | 103.8 | 107.9 | 110.9 | 115.8 | 115.1 |
| DATE 06-16-76 | 315 | 92.2 | 93.7 | 103.2 | 93.5 | 96.1 | 97.7 | 98.8 | 101.2 | 104.2 | 108.0 | 109.7 | 114.7 | 114.4 |
| RUN CONF6HIGHFLW | 400 | 93.7 | 93.7 | 105.8 | 95.5 | 96.4 | 98.2 | 99.4 | 102.0 | 105.0 | 107.6 | 108.5 | 113.2 | 112.0 |
| TAPE X06440 | 500 | 98.3 | 96.9 | 106.4 | 95.9 | 97.3 | 97.9 | 99.3 | 102.2 | 105.1 | 106.5 | 106.9 | 111.1 | 110.1 |
| BAR 29.3 HG | 630 | 101.1 | 100.1 | 110.1 | 99.2 | 98.3 | 97.9 | 99.8 | 102.9 | 105.4 | 106.7 | 106.9 | 110.3 | 108.9 |
| (98975. N/M2) | 800 | 99.1 | 99.2 | 109.7 | 103.0 | 100.1 | 98.9 | 99.6 | 103.0 | 105.0 | 106.1 | 105.0 | 108.2 | 106.4 |
| TAMB 61. DEG F | 1000 | 98.0 | 98.8 | 108.6 | 100.1 | 100.2 | 101.1 | 100.5 | 103.1 | 105.1 | 105.2 | 104.9 | 107.1 | 106.6 |
| (289. DEG K) | 1250 | 95.9 | 97.8 | 108.5 | 99.1 | 100.4 | 101.5 | 102.6 | 103.1 | 105.0 | 104.7 | 104.6 | 108.2 | 107.3 |
| TWET 59. DEG F | 1600 | 94.9 | 96.5 | 107.0 | 96.5 | 100.1 | 101.0 | 102.4 | 103.8 | 105.0 | 105.2 | 104.3 | 108.2 | 107.2 |
| (286. DEG K) | 2000 | 92.3 | 95.1 | 106.5 | 98.0 | 100.3 | 99.9 | 102.0 | 104.7 | 105.5 | 104.1 | 103.5 | 108.9 | 107.9 |
| HACT12.23 GM/M3 | 2500 | 89.8 | 93.5 | 105.4 | 96.8 | 98.7 | 99.5 | 101.4 | 102.7 | 104.4 | 103.7 | 103.7 | 108.0 | 106.5 |
| (.01223 KG/M3) | 3150 | 86.4 | 92.9 | 104.3 | 96.5 | 97.8 | 98.6 | 101.3 | 101.8 | 104.1 | 102.3 | 103.2 | 107.5 | 106.1 |
| FREQ. SHIFT | 4000 | 86.3 | 90.6 | 103.0 | 94.9 | 97.9 | 97.2 | 100.1 | 98.9 | 102.0 | 99.5 | 100.9 | 104.1 | 103.7 |
| JET 7 | 5000 | 84.2 | 89.7 | 100.8 | 92.9 | 95.4 | 95.1 | 96.4 | 97.8 | 100.9 | 97.8 | 99.8 | 100.6 | 102.0 |
| DIAMETER RATIO | 6300 | 84.0 | 89.4 | 101.5 | 93.5 | 95.8 | 95.0 | 97.7 | 96.5 | 99.1 | 96.1 | 98.1 | 102.5 | 101.0 |
| DF/DW 5.15 | 8000 | 82.0 | 87.6 | 101.0 | 92.5 | 93.6 | 93.6 | 95.6 | 94.9 | 96.7 | 95.6 | 97.2 | 100.0 | 99.1 |
| | 10000 | 79.4 | 84.5 | 98.2 | 89.5 | 89.4 | 90.4 | 91.0 | 90.9 | 93.7 | 92.2 | 94.1 | 96.1 | 95.5 |
| | 12500 | 78.0 | 81.9 | 96.5 | 86.7 | 86.2 | 87.4 | 88.0 | 88.5 | 91.5 | 91.1 | 92.2 | 93.2 | 92.2 |
| | 16000 | 80.9 | 83.5 | 100.1 | 87.2 | 86.9 | 87.6 | 88.7 | 86.9 | 92.6 | 94.1 | 94.4 | 93.3 | 93.1 |
| OVERALL CALCULATED | 107.4 | 108.2 | 119.0 | 109.7 | 110.3 | 111.4 | 112.3 | 114.7 | 116.9 | 118.8 | 122.1 | 125.9 | 125.0 | 122.0 |
| PND8 | 116.5 | 118.8 | 130.1 | 121.6 | 123.0 | 123.5 | 125.5 | 126.7 | 128.9 | 128.7 | 130.3 | 134.2 | 133.2 | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 644 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| | 40. | 50. | 60. | 75. | 80. | 95. | 100. | 110. | 120. | 130. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.2) | (3.4) | (3.6) | (3.8) |
| NO EGA | 50 | 53.4 | 58.7 | 71.6 | 61.8 | 63.1 | 65.3 | 67.6 | 69.1 | 69.6 | 73.0 | 78.6 | 76.4 | | | | | |
| SIDELINE 2400. FT. | 63 | 54.9 | 61.3 | 70.9 | 63.9 | 66.7 | 67.4 | 67.9 | 70.1 | 71.4 | 74.8 | 79.2 | 81.1 | 77.9 | | | | |
| (731.52 M) | 80 | 57.1 | 60.7 | 74.1 | 64.4 | 65.9 | 67.9 | 68.4 | 71.4 | 72.8 | 82.4 | 83.5 | 79.8 | | | | | |
| NFA | 100 | 56.8 | 60.5 | 73.1 | 64.6 | 66.1 | 68.6 | 69.6 | 71.6 | 73.6 | 79.5 | 83.9 | 84.7 | 79.7 | | | | |
| (0. RAD/SEC) | 125 | 58.3 | 61.7 | 74.1 | 65.9 | 67.9 | 69.7 | 70.9 | 73.1 | 75.6 | 84.6 | 85.7 | 80.3 | | | | | |
| (1. RPM) | 160 | 60.6 | 63.6 | 75.5 | 67.5 | 69.6 | 70.8 | 71.8 | 74.5 | 76.5 | 80.7 | 85.7 | 80.4 | | | | | |
| NFK | 200 | 63.4 | 66.5 | 78.9 | 69.7 | 70.8 | 72.0 | 73.0 | 75.7 | 76.9 | 80.3 | 84.8 | 80.1 | | | | | |
| (0. RAD/SEC) | 250 | 62.1 | 65.4 | 78.1 | 69.1 | 71.4 | 72.9 | 73.4 | 76.1 | 77.6 | 80.4 | 81.7 | 84.0 | 77.9 | | | | |
| NFD | 315 | 62.6 | 65.9 | 76.7 | 69.8 | 70.8 | 72.6 | 73.6 | 75.5 | 77.7 | 80.3 | 82.5 | 77.9 | | | | | |
| (7500. RPM) | 400 | 63.7 | 65.6 | 78.9 | 69.5 | 70.8 | 72.9 | 73.8 | 76.0 | 78.2 | 79.5 | 78.5 | 80.4 | 74.6 | | | | |
| (785. RAD/SEC) | 500 | 67.5 | 68.3 | 79.2 | 69.6 | 71.4 | 72.2 | 73.4 | 75.8 | 77.9 | 77.6 | 76.4 | 77.6 | 71.7 | | | | |
| AIRFLOW RATIO | 630 | 69.9 | 71.0 | 82.4 | 72.3 | 71.9 | 72.7 | 73.4 | 76.1 | 77.7 | 77.6 | 75.4 | 76.0 | 69.2 | | | | |
| W/F/H 5.15 | 800 | 67.0 | 69.3 | 81.3 | 72.6 | 73.2 | 72.2 | 72.7 | 75.6 | 76.6 | 72.9 | 72.6 | 65.0 | | | | | |
| VEHICLE | 1000 | 64.8 | 68.1 | 79.4 | 72.0 | 72.6 | 73.7 | 72.9 | 75.0 | 75.9 | 74.4 | 71.7 | 70.1 | 63.1 | | | | |
| CONFIG | 1250 | 61.4 | 65.8 | 73.4 | 70.0 | 72.0 | 73.3 | 74.2 | 74.0 | 74.9 | 72.7 | 70.0 | 69.5 | 61.2 | | | | |
| LOC C41 ANECH CH | 1600 | 58.4 | 62.9 | 75.4 | 68.4 | 70.4 | 71.5 | 72.7 | 73.4 | 73.4 | 71.6 | 67.8 | 67.0 | 57.4 | | | | |
| DATE 06-16-78 | 2000 | 53.5 | 59.7 | 73.2 | 66.0 | 69.1 | 69.0 | 70.9 | 72.8 | 72.2 | 68.7 | 64.7 | 53.6 | | | | | |
| RUN CONF/HIGHFLW | 2500 | 47.6 | 55.3 | 69.6 | 62.7 | 65.4 | 66.5 | 68.1 | 68.6 | 68.6 | 64.8 | 61.6 | 59.5 | 45.8 | | | | |
| TAPE | 3150 | 40.8 | 50.2 | 64.7 | 58.7 | 61.1 | 62.2 | 64.6 | 64.0 | 64.4 | 59.6 | 55.7 | 51.9 | 35.2 | | | | |
| X06440 | 3600 | 36.7 | 41.2 | 57.4 | 51.7 | 56.0 | 55.7 | 58.2 | 55.7 | 56.4 | 50.1 | 45.3 | 38.0 | 17.3 | | | | |
| FAN TIP SPEED | 4000 | 30.7 | 34.2 | 48.2 | 44.6 | 46.6 | 46.6 | 48.1 | 48.6 | 48.6 | 44.4 | 39.5 | 28.5 | 16.5 | | | | |
| FT/SEC | 5000 | 23.9 | 28.3 | 35.1 | 31.8 | 3 | | | | | | | | | | | | |
| | 6300 | 10.0 | 24.6 | 32.5 | 37.9 | 42.1 | 41.9 | 44.0 | 40.9 | 40.0 | 31.3 | 24.1 | 12.5 | | | | | |
| | 8000 | | 5.2 | 26.4 | 22.8 | 26.4 | 27.3 | 28.4 | 25.2 | 22.2 | 13.2 | 2.0 | | | | | | |
| | 10000 | | | 2.2 | 0.1 | | 5.7 | 5.1 | 1.5 | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 75.6 | 78.1 | 90.1 | 81.4 | 82.8 | 83.8 | 84.7 | 86.7 | 88.2 | 90.2 | 92.6 | 93.9 | 89.1 | | | | | |
| PND8 | 81.6 | 84.5 | 97.0 | 88.8 | 91.0 | 91.7 | 93.0 | 94.6 | 95.2 | 95.1 | 95.5 | 96.3 | 90.4 | | | | | |

465

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 6 | 644 | 731.5m(2400ft.) | FULL-33m ² (5131m ²) |

| MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | | | | | | | | | |
| NO EGA | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 |
| RDG. NO. 0. | 81.4 | 89.2 | 96.9 | 88.5 | 90.3 | 89.4 | 90.3 | 91.2 | 91.9 |
| RADIAL (12. M) | 80.1 | 82.6 | 94.6 | 87.2 | 88.2 | 90.4 | 90.5 | 91.2 | 91.9 |
| VEHICLE CELL41 | 160 | 79.6 | 81.9 | 95.9 | 85.2 | 86.3 | 86.4 | 86.5 | 88.7 |
| CONFIG NC57 | 200 | 81.8 | 82.0 | 94.3 | 86.3 | 86.4 | 88.3 | 88.7 | 91.3 |
| LOC C41 ANECH CH | 250 | 80.8 | 84.6 | 96.3 | 85.9 | 87.0 | 88.8 | 91.5 | 93.4 |
| DATE 06-16-76 | 315 | 82.9 | 87.4 | 95.9 | 87.7 | 90.6 | 91.2 | 92.3 | 94.5 |
| RUN CONF6HIGHFLW | 400 | 85.2 | 87.0 | 99.5 | 88.3 | 89.3 | 91.5 | 92.3 | 95.3 |
| TAPE X06450 | 500 | 85.6 | 86.8 | 98.3 | 88.8 | 90.7 | 92.3 | 92.9 | 96.1 |
| BAR 29.3 HG | 630 | 87.1 | 88.9 | 99.4 | 90.7 | 92.3 | 93.4 | 94.5 | 97.4 |
| (98908. N/M2) | 800 | 89.9 | 90.4 | 100.9 | 92.4 | 93.8 | 94.4 | 95.8 | 98.9 |
| TAMB 64. DEG F | 1000 | 93.2 | 94.0 | 105.0 | 94.5 | 95.1 | 96.0 | 97.4 | 99.3 |
| (291. DEG K) | 1250 | 95.0 | 95.3 | 105.8 | 95.9 | 96.4 | 97.8 | 99.2 | 101.1 |
| TWET 61. DEG F | 1600 | 104.4 | 102.9 | 109.4 | 97.6 | 96.8 | 97.9 | 98.1 | 100.5 |
| (289. DEG K) | 2000 | 109.9 | 107.2 | 116.0 | 102.8 | 99.1 | 98.2 | 99.1 | 101.8 |
| HACT12.83 GM/M3 | 2500 | 109.5 | 108.8 | 119.3 | 107.9 | 106.7 | 102.3 | 99.5 | 102.1 |
| (.01283 KG/M3) | 3150 | 106.2 | 106.8 | 117.8 | 109.1 | 109.2 | 107.8 | 103.4 | 103.3 |
| FREQ. SHIFT | 4000 | 104.0 | 104.1 | 115.1 | 105.4 | 107.2 | 108.1 | 107.2 | 104.9 |
| JET | 5000 | 103.4 | 103.9 | 114.5 | 105.0 | 104.8 | 105.9 | 107.1 | 107.2 |
| DIAMETER RATIO | 6300 | 101.4 | 102.3 | 113.6 | 104.3 | 105.2 | 105.8 | 106.2 | 108.1 |
| DF/DM 1 | 8000 | 100.2 | 101.1 | 111.6 | 102.9 | 104.7 | 105.6 | 106.0 | 108.3 |
| | 10000 | 98.1 | 99.7 | 110.6 | 102.1 | 103.9 | 103.7 | 105.4 | 106.8 |
| | 12500 | 95.0 | 97.3 | 108.9 | 100.6 | 101.9 | 102.3 | 103.9 | 105.0 |
| | 16000 | 92.8 | 95.4 | 106.5 | 99.0 | 100.8 | 100.6 | 103.3 | 105.0 |
| | 20000 | 90.1 | 91.9 | 104.2 | 95.6 | 98.4 | 98.5 | 101.4 | 102.0 |
| | 25000 | 86.9 | 89.9 | 100.8 | 92.6 | 94.6 | 95.0 | 96.1 | 97.0 |
| | 31500 | 84.4 | 87.2 | 99.9 | 91.1 | 93.1 | 92.8 | 94.5 | 96.2 |
| | 40000 | 79.8 | 83.1 | 96.4 | 87.5 | 89.0 | 88.3 | 90.0 | 92.0 |
| | 50000 | 74.3 | 77.7 | 91.7 | 81.7 | 81.8 | 82.4 | 83.2 | 86.2 |
| | 63000 | 70.2 | 71.7 | 86.8 | 75.7 | 75.5 | 75.9 | 76.0 | 80.3 |
| | 80000 | 66.4 | 68.9 | 84.8 | 71.7 | 71.1 | 71.8 | 72.4 | 69.9 |
| OVERALL MEASURED | 115.5 | 114.9 | 125.2 | 115.3 | 115.7 | 115.5 | 115.6 | 116.5 | 118.1 |
| OVERALL CALCULATED | 128.4 | 128.2 | 138.6 | 129.0 | 129.2 | 128.7 | 128.2 | 128.6 | 129.8 |

MODEL-125cm²(194in²)

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 6 | 645 | 12.2m(40ft.) ARC | MODEL-125cm ² (194in ²) |

137.3 136.4 142.0 144.2 146.8 149.0 150.6 151.7 152.6 152.6 152.6 152.8 153.4 154.3 153.9 152.5 152.2 152.1 152.1 152.0 150.2 149.3 147.3 145.4 145.3 144.8 143.6 144.0 149.8 165.1

PROC. DATE - MONTH 8 DAY 26 HR. 22.1

| FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | 0. G. 0.) (0.) (0.) | | | | | | | | | |
| 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 40. 50. 60. 70. 80. | | | | | | | | | | 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0.) (0.) (0.) | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| NO EGA | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| SIDELINE 2400. FT. | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| (731.52 M) | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 1. RPM | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 1. RPM | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 7500. RPM | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| WF/WM 5.15 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| CONFIG NC57 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| DATE 06-16-76 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| RUN CONF-HIGHFLW | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| TAPE X06450 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| FT/SEC | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 5000 32.6 42.8 58.0 52.5 56.0 56.9 57.5 56.9 61.4 62.2 61.4 64.3 48.2 41.3 19.2 8.2 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 6300 16.2 30.3 48.7 43.4 47.3 47.6 48.7 47.1 44.9 45.3 27.2 15.7 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 8000 10.9 32.1 27.9 32.1 32.2 33.1 30.7 27.6 26.6 5.4 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 10000 8.9 5.5 9.2 10.9 10.5 6.7 3.4 0.3 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 12500 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 16000 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| PNDB 87.4 88.4 100.0 90.5 91.2 90.9 90.3 90.8 91.8 103.3 97.1 97.4 92.3 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |
| 92.7 94.4 106.6 97.5 98.6 98.6 98.9 99.6 100.4 108.7 100.7 100.5 94.0 | | | | | | | | | | 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA

| | | PRUC. DATE - MONTH 8 DAY 26 HR. 22.1 | | | | | | | | | | DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.02) |
| NO EGA | 50 | 80.6 | 83.6 | 85.3 | 85.1 | 86.7 | 88.3 | 90.2 | 92.4 | 93.8 | 95.9 | 98.9 | 102.6 | 107.1 | 110.4 | 112.5 | 114.7 | 116.9 | 119.1 | 121.3 | 123.6 |
| RDG. NO. | 63 | 81.7 | 85.9 | 94.9 | 87.0 | 89.6 | 90.9 | 91.1 | 93.5 | 96.2 | 100.3 | 106.0 | 110.2 | 110.4 | 110.4 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 |
| RADIAL 150. FT. | 80 | 83.9 | 85.7 | 98.0 | 83.0 | 89.6 | 90.9 | 92.1 | 95.3 | 97.7 | 103.3 | 109.0 | 111.9 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 |
| VEHICLE CELL41 | 100 | 84.6 | 86.3 | 97.6 | 83.6 | 89.9 | 91.8 | 93.2 | 95.6 | 98.6 | 104.4 | 109.8 | 112.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 | 111.5 |
| CONFIG NC57 | 125 | 85.6 | 88.1 | 98.7 | 84.4 | 91.8 | 92.4 | 94.3 | 96.9 | 100.4 | 104.7 | 109.7 | 112.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 |
| LOC C41 ANECH CH | 160 | 87.9 | 89.4 | 99.9 | 91.0 | 92.6 | 95.3 | 99.0 | 101.4 | 106.2 | 109.7 | 111.9 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 |
| DATE 06-16-76 | 200 | 89.5 | 91.2 | 102.3 | 92.8 | 93.6 | 95.0 | 96.4 | 97.3 | 99.7 | 102.8 | 106.2 | 107.6 | 109.1 | 109.1 | 109.1 | 109.1 | 109.1 | 109.1 | 109.1 | 109.1 |
| RUN CONFOHGHFLW | 250 | 89.3 | 90.6 | 103.1 | 92.1 | 94.0 | 95.8 | 96.7 | 97.3 | 99.7 | 103.5 | 106.3 | 106.7 | 107.9 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 |
| TAPE XG646D | 315 | 89.2 | 91.7 | 102.2 | 93.7 | 94.8 | 96.4 | 97.3 | 97.3 | 99.7 | 103.5 | 106.3 | 106.7 | 107.9 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 |
| BAR 29.3 HG | 400 | 89.7 | 91.5 | 103.3 | 93.3 | 94.6 | 96.2 | 96.2 | 98.1 | 100.4 | 103.3 | 106.3 | 106.7 | 107.9 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 | 108.2 |
| (98975. N/M2) | 500 | 89.3 | 92.1 | 103.1 | 93.4 | 95.5 | 96.6 | 97.8 | 101.2 | 104.4 | 105.0 | 104.4 | 106.1 | 105.1 | 105.1 | 105.1 | 105.1 | 105.1 | 105.1 | 105.1 | 105.1 |
| TAMB 60. DEG F | 630 | 90.1 | 92.4 | 103.9 | 94.4 | 96.0 | 96.9 | 98.6 | 101.4 | 104.6 | 105.7 | 104.7 | 106.1 | 105.4 | 105.4 | 105.4 | 105.4 | 105.4 | 105.4 | 105.4 | 105.4 |
| (289. DEG K) | 800 | 89.6 | 91.2 | 103.0 | 93.7 | 94.8 | 96.7 | 97.6 | 99.0 | 102.6 | 103.9 | 104.7 | 103.9 | 104.8 | 104.3 | 104.3 | 104.3 | 104.3 | 104.3 | 104.3 | 104.3 |
| INLET 58. DEG F | 1000 | 88.2 | 91.3 | 102.8 | 94.1 | 96.1 | 98.0 | 100.1 | 102.3 | 104.3 | 104.9 | 103.9 | 105.2 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 |
| (287. DEG K) | 1250 | 87.9 | 89.7 | 102.0 | 94.3 | 95.9 | 97.7 | 100.4 | 102.3 | 104.3 | 104.9 | 103.9 | 105.2 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 |
| HACT11.66 GM/M3 | 2000 | 86.5 | 90.6 | 103.2 | 93.7 | 96.5 | 96.6 | 99.8 | 102.7 | 104.2 | 104.6 | 104.0 | 107.4 | 107.1 | 107.1 | 107.1 | 107.1 | 107.1 | 107.1 | 107.1 | 107.1 |
| (.01166 KG/M3) | 2500 | 84.5 | 89.8 | 102.7 | 94.1 | 96.2 | 96.8 | 98.9 | 100.8 | 102.9 | 103.8 | 103.7 | 107.3 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 |
| FREQ. SHIFT | 3150 | 83.9 | 90.4 | 102.9 | 94.1 | 96.3 | 96.2 | 99.3 | 100.1 | 102.9 | 102.6 | 103.0 | 106.0 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 |
| JET | 4000 | 82.1 | 88.4 | 102.5 | 93.2 | 95.9 | 95.0 | 98.2 | 97.7 | 100.3 | 99.9 | 100.7 | 104.4 | 103.0 | 103.0 | 103.0 | 103.0 | 103.0 | 103.0 | 103.0 | 103.0 |
| DIAMETER RATIO | 5000 | 80.7 | 88.0 | 100.2 | 93.0 | 94.5 | 93.9 | 95.0 | 96.4 | 99.7 | 97.9 | 99.9 | 100.5 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 |
| DF/DM 5.15 | 6300 | 80.4 | 87.2 | 100.7 | 92.9 | 94.9 | 94.1 | 95.8 | 95.4 | 97.7 | 96.8 | 98.0 | 102.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| | 8000 | 77.1 | 84.2 | 98.9 | 91.6 | 92.5 | 92.2 | 94.0 | 93.1 | 95.6 | 95.8 | 96.6 | 100.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| | 10000 | 73.8 | 79.9 | 94.9 | 87.7 | 88.3 | 88.9 | 89.7 | 89.1 | 92.5 | 92.5 | 94.6 | 95.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| | 12500 | 71.4 | 76.6 | 93.1 | 85.7 | 86.0 | 86.1 | 86.2 | 86.7 | 89.8 | 91.7 | 92.7 | 92.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| | 16000 | 71.9 | 76.7 | 93.2 | 87.1 | 86.7 | 87.3 | 88.0 | 85.7 | 90.9 | 95.7 | 94.0 | 93.9 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| OVERALL CALCULATED | 100.6 | 103.5 | 115.4 | 106.4 | 108.2 | 109.1 | 111.0 | 113.4 | 115.8 | 117.8 | 119.6 | 122.0 | 121.6 | 121.6 | 121.6 | 121.6 | 121.6 | 121.6 | 121.6 | 121.6 | 121.6 |
| PNOB | 110.7 | 115.4 | 127.7 | 119.0 | 120.9 | 121.3 | 123.6 | 125.2 | 127.7 | 128.6 | 129.2 | 131.9 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| C | 646 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | |
| | | 50 | 52.4 | 57.0 | 69.8 | 60.3 | 62.3 | 64.1 | 65.8 | 67.6 | 68.3 | 72.3 | 76.4 | 76.4 | |
| | | 63 | 53.4 | 59.3 | 69.4 | 62.1 | 65.2 | 66.7 | 68.6 | 70.6 | 73.6 | 77.7 | 79.6 | 76.4 | |
| | | 80 | 55.6 | 59.0 | 72.3 | 63.1 | 65.1 | 66.4 | 67.6 | 70.4 | 72.1 | 76.6 | 80.7 | 81.3 | |
| | | 100 | 56.3 | 59.5 | 71.8 | 63.6 | 65.4 | 67.4 | 68.6 | 70.6 | 72.8 | 77.5 | 81.4 | 81.7 | |
| | | 125 | 57.1 | 61.2 | 72.9 | 64.4 | 67.2 | 67.9 | 69.7 | 71.9 | 74.6 | 77.8 | 81.1 | 81.9 | |
| | | 160 | 59.1 | 62.3 | 74.0 | 65.8 | 67.8 | 69.6 | 70.6 | 73.8 | 75.5 | 79.2 | 81.0 | 80.7 | |
| | | 200 | 60.5 | 64.0 | 76.2 | 67.5 | 68.8 | 70.3 | 71.5 | 74.2 | 75.7 | 78.8 | 79.6 | 78.5 | |
| | | 250 | 60.1 | 63.1 | 76.8 | 66.6 | 68.9 | 70.9 | 71.7 | 74.6 | 76.0 | 78.7 | 78.4 | 77.3 | |
| | | 315 | 59.0 | 63.9 | 75.7 | 68.0 | 69.6 | 71.3 | 72.1 | 74.0 | 76.9 | 78.5 | 77.2 | 75.7 | |
| | | 400 | 59.7 | 63.4 | 76.4 | 67.3 | 69.1 | 70.9 | 72.6 | 74.8 | 76.9 | 78.0 | 75.8 | 73.9 | |
| | | 500 | 58.8 | 63.6 | 75.9 | 67.0 | 69.6 | 70.9 | 71.9 | 74.8 | 77.2 | 76.4 | 73.9 | 72.6 | |
| | | 630 | 58.9 | 63.2 | 76.2 | 67.6 | 69.7 | 70.7 | 72.4 | 74.6 | 76.9 | 76.6 | 73.5 | 71.7 | |
| | | 800 | 57.5 | 61.3 | 74.6 | 66.3 | 67.9 | 70.0 | 70.9 | 74.8 | 75.3 | 75.4 | 71.4 | 69.4 | |
| | | 1000 | 55.6 | 60.6 | 73.7 | 65.2 | 67.9 | 70.2 | 71.4 | 74.5 | 74.7 | 73.9 | 70.7 | 67.9 | |
| | | 1250 | 53.6 | 59.3 | 72.6 | 65.0 | 67.7 | 69.8 | 71.7 | 73.3 | 74.1 | 73.0 | 69.3 | 66.5 | |
| | | 1600 | 51.4 | 56.2 | 70.4 | 63.9 | 66.2 | 68.3 | 70.7 | 71.9 | 72.4 | 71.9 | 67.6 | 65.3 | |
| | | 2000 | 47.7 | 55.2 | 69.9 | 61.8 | 65.4 | 65.7 | 68.6 | 70.8 | 70.9 | 69.2 | 65.3 | 63.2 | |
| | | 2500 | 42.4 | 51.5 | 66.9 | 60.0 | 62.9 | 63.8 | 65.6 | 66.6 | 67.2 | 65.6 | 61.6 | 58.7 | |
| | | 3150 | 36.4 | 47.7 | 63.2 | 56.3 | 59.6 | 59.8 | 62.6 | 62.3 | 63.2 | 59.9 | 55.5 | 50.4 | |
| | | 4000 | 26.5 | 39.0 | 57.0 | 50.0 | 54.0 | 53.5 | 56.3 | 54.5 | 54.7 | 50.4 | 45.1 | 38.4 | |
| | | 5000 | 20.4 | 34.7 | 51.2 | 46.6 | 49.6 | 49.5 | 50.1 | 50.0 | 50.7 | 44.5 | 39.6 | 23.4 | |
| | | 6300 | 6.3 | 22.4 | 41.6 | 37.3 | 41.2 | 41.0 | 42.1 | 39.8 | 38.6 | 32.0 | 23.9 | 12.2 | |
| | | 8000 | | 1.9 | 24.4 | 21.9 | 25.3 | 25.9 | 26.8 | 23.4 | 21.1 | 13.4 | 1.6 | | |
| | | 10000 | | | | | 2.4 | 4.1 | 3.8 | | | | | | |
| | | OVERALL CALCULATED | 69.7 | 73.8 | 86.5 | 78.0 | 80.1 | 81.7 | 83.1 | 85.5 | 87.2 | 88.8 | 89.8 | 89.7 | |
| | | PNDB | 74.1 | 79.2 | 93.3 | 85.2 | 88.0 | 89.2 | 91.1 | 93.1 | 94.1 | 94.1 | 92.8 | 91.6 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION $\frac{C}{6}$ TEST POINT $\frac{C}{6}$ ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-.33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 26 HR. 22.0
F, 70 PERCENT REL. HUM. DAY - JENOTS)

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. | | | | | PWL | | | | | | | | | | |
|-----------|--|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.15) |
| 50 | 65.9 | 89.7 | 97.7 | 39.2 | 91.0 | 92.2 | 91.0 | 92.2 | 92.4 | 92.4 | 93.5 | 98.4 | 98.9 | 100.9 | 136.5 | 136.6 |
| 63 | 79.3 | 83.4 | 95.1 | 87.9 | 89.5 | 92.6 | 91.0 | 92.4 | 90.6 | 89.9 | 99.1 | 101.1 | 102.4 | 137.7 | 137.7 | 141.8 |
| 80 | 80.1 | 82.9 | 96.2 | 86.2 | 86.5 | 88.7 | 87.8 | 89.2 | 90.4 | 96.0 | 100.4 | 102.6 | 104.7 | 141.8 | 143.5 | 145.9 |
| 100 | 83.3 | 83.3 | 95.3 | 87.1 | 87.7 | 90.3 | 90.4 | 92.6 | 95.5 | 98.9 | 103.3 | 108.0 | 109.8 | 147.6 | 147.6 | 149.8 |
| 125 | 81.3 | 85.1 | 96.3 | 86.9 | 88.0 | 90.8 | 92.2 | 93.9 | 97.7 | 103.0 | 108.7 | 112.6 | 112.9 | 149.8 | 149.8 | 150.3 |
| 150 | 83.4 | 87.9 | 96.7 | 89.2 | 91.8 | 93.4 | 93.4 | 94.7 | 97.7 | 103.0 | 108.7 | 112.6 | 112.9 | 150.3 | 150.3 | 150.3 |
| 175 | 85.2 | 87.2 | 99.0 | 89.0 | 90.6 | 95.0 | 93.1 | 96.2 | 99.0 | 105.5 | 111.5 | 114.4 | 113.5 | 150.3 | 150.3 | 150.3 |
| 200 | 85.8 | 87.5 | 98.5 | 89.8 | 91.2 | 94.8 | 94.4 | 97.3 | 100.3 | 107.9 | 113.3 | 115.5 | 114.3 | 150.3 | 150.3 | 150.3 |
| 250 | 87.6 | 89.4 | 100.1 | 91.4 | 93.0 | 95.1 | 96.0 | 98.4 | 102.1 | 108.2 | 113.9 | 116.1 | 115.1 | 150.3 | 150.3 | 150.3 |
| 315 | 90.1 | 90.7 | 101.4 | 92.7 | 94.5 | 97.2 | 97.0 | 99.9 | 103.7 | 109.0 | 114.4 | 116.9 | 116.2 | 150.3 | 150.3 | 150.3 |
| 400 | 93.4 | 94.7 | 105.2 | 95.3 | 95.6 | 97.7 | 97.9 | 101.0 | 104.2 | 109.1 | 113.8 | 116.2 | 116.5 | 150.3 | 150.3 | 150.3 |
| 500 | 92.5 | 94.1 | 105.1 | 95.1 | 96.2 | 98.6 | 98.7 | 102.4 | 105.2 | 108.9 | 112.6 | 117.0 | 115.8 | 150.3 | 150.3 | 150.3 |
| 630 | 93.9 | 94.7 | 104.4 | 95.2 | 96.3 | 99.2 | 99.3 | 101.7 | 105.9 | 109.0 | 112.7 | 116.6 | 116.4 | 150.3 | 150.3 | 150.3 |
| 800 | 97.2 | 96.5 | 107.2 | 96.0 | 97.3 | 99.0 | 99.8 | 103.0 | 106.5 | 109.1 | 112.3 | 116.4 | 115.0 | 150.3 | 150.3 | 150.3 |
| 1000 | 98.1 | 98.1 | 107.8 | 97.6 | 98.2 | 99.3 | 100.2 | 103.1 | 107.1 | 108.4 | 112.4 | 115.5 | 113.3 | 150.3 | 150.3 | 150.3 |
| 1250 | 99.5 | 99.5 | 109.6 | 99.1 | 99.9 | 100.8 | 100.4 | 104.1 | 107.8 | 109.1 | 112.8 | 115.0 | 111.5 | 150.3 | 150.3 | 150.3 |
| 1500 | 99.3 | 99.6 | 110.3 | 99.4 | 99.7 | 100.8 | 100.9 | 104.4 | 107.1 | 108.7 | 111.6 | 112.5 | 109.3 | 150.3 | 150.3 | 150.3 |
| 2000 | 97.1 | 98.7 | 110.2 | 100.2 | 100.6 | 101.2 | 101.6 | 104.2 | 107.0 | 108.1 | 111.3 | 111.7 | 108.4 | 150.3 | 150.3 | 150.3 |
| 2500 | 95.2 | 97.3 | 109.1 | 99.6 | 100.9 | 103.0 | 103.1 | 104.8 | 107.6 | 107.9 | 110.6 | 110.7 | 107.5 | 150.3 | 150.3 | 150.3 |
| 3150 | 94.7 | 96.6 | 108.1 | 99.4 | 101.0 | 105.1 | 103.5 | 104.9 | 106.9 | 108.3 | 109.4 | 109.3 | 106.6 | 150.3 | 150.3 | 150.3 |
| 4000 | 92.4 | 96.5 | 107.8 | 99.3 | 100.9 | 101.2 | 103.1 | 105.1 | 106.3 | 107.2 | 107.6 | 108.8 | 105.7 | 150.3 | 150.3 | 150.3 |
| 5000 | 90.5 | 94.3 | 107.4 | 98.6 | 99.9 | 101.0 | 102.2 | 103.5 | 104.9 | 105.1 | 105.5 | 107.1 | 104.5 | 150.3 | 150.3 | 150.3 |
| 6300 | 88.3 | 93.1 | 105.3 | 97.7 | 99.3 | 100.1 | 101.5 | 101.8 | 104.0 | 103.3 | 104.1 | 105.9 | 103.4 | 150.3 | 150.3 | 150.3 |
| 8000 | 85.6 | 90.1 | 103.5 | 95.1 | 98.6 | 101.0 | 100.1 | 98.9 | 101.2 | 100.5 | 100.6 | 103.1 | 101.2 | 150.3 | 150.3 | 150.3 |
| 10000 | 83.1 | 88.2 | 100.3 | 92.6 | 95.1 | 95.3 | 95.1 | 96.0 | 98.6 | 97.2 | 99.5 | 98.6 | 97.9 | 150.3 | 150.3 | 150.3 |
| 12500 | 80.1 | 85.7 | 99.1 | 91.3 | 93.9 | 92.8 | 94.5 | 93.6 | 95.7 | 94.5 | 96.7 | 98.6 | 95.3 | 150.3 | 150.3 | 150.3 |
| 15000 | 75.3 | 81.6 | 95.7 | 88.0 | 89.3 | 89.6 | 90.1 | 89.2 | 91.5 | 92.3 | 93.4 | 93.8 | 92.1 | 150.3 | 150.3 | 150.3 |
| 20000 | 68.8 | 74.4 | 89.9 | 83.0 | 82.3 | 83.9 | 83.2 | 85.4 | 85.7 | 89.0 | 87.3 | 85.9 | 81.1 | 150.3 | 150.3 | 150.3 |
| 25000 | 62.4 | 67.4 | 82.7 | 76.2 | 76.2 | 77.6 | 76.0 | 76.0 | 79.5 | 81.1 | 84.1 | 81.1 | 79.4 | 150.3 | 150.3 | 150.3 |
| 31500 | 57.6 | 61.6 | 78.2 | 72.4 | 71.6 | 72.4 | 72.9 | 69.0 | 73.7 | 77.2 | 81.0 | 75.4 | 74.7 | 150.3 | 150.3 | 150.3 |
| 40000 | 50.5 | 54.3 | 67.4 | 61.6 | 61.6 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 150.3 | 150.3 | 150.3 |
| 50000 | 45.2 | 49.0 | 60.1 | 54.3 | 54.3 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 150.3 | 150.3 | 150.3 |
| 63000 | 40.1 | 43.9 | 53.2 | 47.4 | 47.4 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 150.3 | 150.3 | 150.3 |
| 80000 | 35.0 | 38.8 | 46.3 | 40.5 | 40.5 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 150.3 | 150.3 | 150.3 |
| 100000 | 30.0 | 33.8 | 41.2 | 35.4 | 35.4 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 150.3 | 150.3 | 150.3 |
| 125000 | 25.0 | 28.8 | 36.1 | 30.3 | 30.3 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 150.3 | 150.3 | 150.3 |
| 150000 | 20.0 | 23.8 | 31.0 | 25.2 | 25.2 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 150.3 | 150.3 | 150.3 |
| 200000 | 15.0 | 18.8 | 25.9 | 20.1 | 20.1 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 150.3 | 150.3 | 150.3 |
| 250000 | 10.0 | 13.8 | 20.8 | 15.0 | 15.0 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 15.8 | 150.3 | 150.3 | 150.3 |
| 315000 | 5.0 | 8.8 | 15.7 | 10.0 | 10.0 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 150.3 | 150.3 | 150.3 |
| 400000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 500000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 630000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 800000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 1000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 1250000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 1500000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 2000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 2500000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 3150000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 4000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 5000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 6300000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 8000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 10000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 12500000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 15000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 20000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 25000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 31500000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 40000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 50000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 63000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 80000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 100000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 125000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 150.3 | 150.3 | 150.3 |
| 150000000 | 0.0 | 3.8 | 10.6 | 5.0 | 5.0 | 5.3 | 5.3 | | | | | | | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA

PROC. DATE - MONTH 8 DAY 26 HR. 22.1
59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
|--------------------|----|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. |
| | | FREQ. | (0.70) | (0.87) | (1.03) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| NO EGA | | 50 | 84.1 | 87.8 | 99.1 | 89.6 | 90.7 | 93.6 | 95.0 | 96.6 | 98.3 | 103.4 | 109.6 | 112.6 | 113.3 |
| RDG. NO. | 0. | 63 | 86.2 | 90.7 | 99.4 | 92.0 | 94.6 | 96.2 | 96.1 | 97.5 | 100.4 | 105.8 | 111.5 | 115.4 | 115.7 |
| RADIAL 150. FT. | | 80 | 87.9 | 90.0 | 101.7 | 91.8 | 93.4 | 97.7 | 95.9 | 97.0 | 101.7 | 108.3 | 114.2 | 117.2 | 116.2 |
| (46. M) | | 100 | 88.5 | 90.3 | 101.3 | 92.6 | 93.9 | 97.6 | 97.2 | 100.1 | 103.1 | 110.6 | 116.1 | 118.3 | 117.1 |
| VEHICLE CELL41 | | 125 | 90.4 | 92.2 | 102.9 | 94.2 | 95.8 | 97.9 | 98.6 | 101.2 | 104.9 | 111.0 | 116.7 | 118.9 | 117.9 |
| CONFIG NC57 | | 160 | 92.9 | 93.4 | 104.2 | 95.5 | 97.3 | 99.9 | 99.8 | 102.7 | 106.4 | 111.7 | 117.2 | 119.6 | 118.9 |
| LOC C41 ANECH CH | | 250 | 95.3 | 96.8 | 107.8 | 97.9 | 99.0 | 101.3 | 101.5 | 105.1 | 108.1 | 111.7 | 115.4 | 119.8 | 118.6 |
| DATE 06-16-76 | | 315 | 96.7 | 97.5 | 107.2 | 98.0 | 99.1 | 102.0 | 102.1 | 104.5 | 108.7 | 111.8 | 115.5 | 119.4 | 117.7 |
| RUN CONF6HIGHFLW | | 400 | 100.0 | 99.2 | 110.0 | 98.8 | 100.1 | 101.7 | 102.6 | 105.8 | 109.3 | 111.8 | 115.0 | 119.2 | 117.7 |
| TAPE X06470 | | 500 | 101.8 | 100.9 | 110.6 | 100.4 | 101.0 | 102.1 | 103.0 | 105.9 | 109.9 | 111.2 | 115.2 | 118.3 | 116.1 |
| BAR 29.3 NG | | 630 | 102.3 | 102.4 | 112.4 | 101.9 | 102.8 | 103.6 | 103.3 | 106.9 | 110.6 | 112.0 | 115.7 | 117.8 | 114.4 |
| (93975. N/M2) | | 800 | 102.1 | 102.4 | 113.2 | 102.2 | 102.6 | 103.7 | 103.8 | 107.2 | 110.0 | 111.6 | 114.5 | 115.4 | 112.2 |
| TAMB 62. DEG F | | 1000 | 100.0 | 101.6 | 113.1 | 103.1 | 103.5 | 104.1 | 104.5 | 107.1 | 109.9 | 111.0 | 114.2 | 114.6 | 111.3 |
| (290. DEG K) | | 1250 | 96.2 | 100.3 | 112.0 | 102.6 | 103.9 | 106.0 | 106.1 | 107.8 | 110.5 | 110.9 | 113.6 | 113.7 | 110.5 |
| TWET 60. DEG F | | 1600 | 97.9 | 99.7 | 111.3 | 102.5 | 104.1 | 108.2 | 106.6 | 108.0 | 110.0 | 111.4 | 112.6 | 112.5 | 109.7 |
| (289. DEG K) | | 2000 | 95.8 | 99.9 | 111.2 | 102.7 | 104.3 | 104.6 | 106.5 | 108.4 | 109.7 | 110.6 | 111.0 | 112.1 | 109.1 |
| HACT12.52 GM/M3 | | 2500 | 94.2 | 98.0 | 111.1 | 102.3 | 103.6 | 104.7 | 105.9 | 107.2 | 108.6 | 108.8 | 109.2 | 110.8 | 108.2 |
| (.01252 KG/M3) | | 3150 | 92.6 | 97.4 | 110.1 | 102.0 | 103.5 | 104.4 | 105.8 | 106.1 | 108.3 | 107.6 | 108.4 | 110.2 | 107.6 |
| FREQ. SHIFT | | 4000 | 90.5 | 95.1 | 108.5 | 100.1 | 103.6 | 105.9 | 105.1 | 103.9 | 106.2 | 105.5 | 105.8 | 104.9 | 106.2 |
| JET 7 | | 5000 | 89.4 | 94.4 | 106.6 | 98.9 | 101.3 | 101.6 | 101.3 | 102.2 | 104.8 | 103.5 | 105.8 | 104.9 | 104.2 |
| DIAMETER RATIO | | 6300 | 88.0 | 93.6 | 107.0 | 99.2 | 101.7 | 100.7 | 102.4 | 101.5 | 103.5 | 102.3 | 104.6 | 106.5 | 103.2 |
| DF/DM 5.15 | | 8000 | 85.5 | 91.8 | 105.9 | 98.2 | 99.5 | 99.8 | 100.2 | 99.4 | 101.7 | 102.5 | 103.6 | 104.0 | 102.3 |
| | | 10000 | 82.1 | 87.7 | 103.1 | 96.2 | 95.5 | 97.1 | 95.4 | 95.6 | 98.7 | 98.9 | 102.3 | 100.6 | 99.2 |
| | | 12500 | 80.1 | 85.1 | 100.4 | 93.9 | 93.9 | 93.9 | 95.3 | 93.7 | 97.2 | 98.8 | 101.9 | 98.8 | 97.1 |
| | | 16000 | 81.6 | 85.6 | 102.2 | 96.4 | 95.6 | 96.5 | 96.9 | 93.1 | 97.8 | 101.2 | 105.1 | 99.5 | 98.8 |
| OVERALL CALCULATED | | PH08 | 119.4 | 111.6 | 123.0 | 113.7 | 115.0 | 116.6 | 116.8 | 118.7 | 121.4 | 123.6 | 127.4 | 129.9 | 128.7 |
| | | | 122.9 | 134.9 | 126.3 | 127.8 | 129.6 | 129.7 | 130.8 | 133.3 | 134.1 | 136.2 | 138.1 | 136.0 | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 647 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

ROGRAM
MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
PROC. DATE - MONTH 8 DAY 26 HR. 22.0
ANGLES FROM INLET IN DEGREES (AND RADIANS)

[illegible][illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|----------------|---|
| 6 | 648 | 12.2m(40ft.) | MODEL-125cm ² (19.4in ²) |

PROC. DATE - MONTH 8 DAY 26 HR. 22.1

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 57.4 | 63.2 | 76.3 | 66.3 | 68.6 | 69.6 | 72.1 | 73.8 | 75.1 | 78.3 | 83.4 | 83.9 | 81.9 | | | |
| SIDELINE 2400. FT. | | 63 | 60.2 | 66.3 | 75.4 | 68.1 | 71.2 | 72.2 | 72.7 | 75.1 | 76.6 | 81.1 | 85.2 | 87.1 | 83.9 | | | |
| (731.52 M) | | 80 | 61.9 | 65.2 | 78.3 | 68.6 | 70.6 | 72.4 | 73.1 | 76.1 | 78.3 | 84.1 | 88.4 | 88.8 | 84.5 | | | |
| NFA (0. RAD/SEC) | | 100 | 62.6 | 65.2 | 77.6 | 69.4 | 70.9 | 72.9 | 73.9 | 76.6 | 79.6 | 85.5 | 89.9 | 90.0 | 84.7 | | | |
| 1. RPM | | 125 | 64.1 | 67.2 | 79.1 | 70.6 | 72.9 | 73.7 | 75.4 | 78.1 | 80.6 | 86.3 | 90.6 | 90.9 | 85.3 | | | |
| NFK (0. RAD/SEC) | | 160 | 65.9 | 68.1 | 80.2 | 72.3 | 74.1 | 75.3 | 76.3 | 79.3 | 82.7 | 86.9 | 91.7 | 91.7 | 85.4 | | | |
| 1. RPM | | 200 | 69.0 | 71.7 | 83.7 | 74.5 | 75.5 | 76.8 | 77.3 | 80.5 | 83.2 | 86.3 | 91.1 | 90.8 | 85.9 | | | |
| NFD (0. RAD/SEC) | | 250 | 70.1 | 72.6 | 85.1 | 74.6 | 76.4 | 77.9 | 78.9 | 81.4 | 83.8 | 86.2 | 90.2 | 91.8 | 85.2 | | | |
| 7500. RPM | | 315 | 77.1 | 76.7 | 86.2 | 75.8 | 76.1 | 78.6 | 78.6 | 80.5 | 82.7 | 86.3 | 89.4 | 91.5 | 84.7 | | | |
| (785. RAD/SEC) | | 400 | 77.5 | 78.6 | 90.7 | 79.5 | 78.3 | 78.1 | 78.8 | 81.5 | 84.4 | 86.0 | 89.1 | 89.9 | 81.4 | | | |
| AIRFLOW RATIO | | 500 | 77.1 | 79.6 | 90.7 | 81.6 | 81.4 | 80.2 | 80.9 | 82.5 | 84.3 | 84.9 | 88.7 | 86.0 | 75.4 | | | |
| WF/W 5.15 | | 630 | 75.1 | 78.2 | 91.2 | 81.8 | 82.7 | 82.2 | 79.4 | 81.8 | 83.8 | 84.2 | 86.7 | 82.4 | 71.5 | | | |
| VEHICLE CELL 41 | | 800 | 71.8 | 75.1 | 88.1 | 79.3 | 80.9 | 80.7 | 81.7 | 82.8 | 83.3 | 82.9 | 84.2 | 80.6 | 68.9 | | | |
| CONFIG NC57 | | 1000 | 69.6 | 74.1 | 85.9 | 78.2 | 79.2 | 80.2 | 81.2 | 83.2 | 83.4 | 82.0 | 81.8 | 77.5 | 65.7 | | | |
| LOC C41 ANECH CH | | 1250 | 65.1 | 72.1 | 85.1 | 70.5 | 78.2 | 79.8 | 80.7 | 82.3 | 83.1 | 82.0 | 81.8 | 73.7 | 60.9 | | | |
| DATE 06-16-76 | | 1600 | 65.1 | 69.4 | 82.4 | 75.2 | 77.4 | 78.5 | 79.9 | 81.2 | 81.4 | 81.1 | 79.3 | 73.7 | 60.9 | | | |
| RUN CONF6HIGHFLW | | 2000 | 61.2 | 67.9 | 80.7 | 73.3 | 76.4 | 76.2 | 78.1 | 79.0 | 79.7 | 78.4 | 75.7 | 70.2 | 55.6 | | | |
| TAPE X06480 | | 2500 | 56.1 | 63.3 | 77.1 | 70.4 | 72.9 | 73.2 | 74.9 | 75.1 | 75.9 | 74.1 | 71.1 | 63.7 | 48.1 | | | |
| FAN TIP SPEED | | 3150 | 49.9 | 58.2 | 72.7 | 67.0 | 69.6 | 69.5 | 71.1 | 70.5 | 71.7 | 68.1 | 64.2 | 56.2 | 37.2 | | | |
| FT/SEC | | 4000 | 39.7 | 49.4 | 65.2 | 59.4 | 63.7 | 63.5 | 65.2 | 63.0 | 62.9 | 58.8 | 53.5 | 44.1 | 19.5 | | | |
| | | 5000 | 33.6 | 44.6 | 60.1 | 54.1 | 58.0 | 58.5 | 59.0 | 58.4 | 58.6 | 52.9 | 48.5 | 34.3 | 8.3 | | | |
| | | 6300 | 19.3 | 33.1 | 51.0 | 45.0 | 49.6 | 49.2 | 50.5 | 48.2 | 47.3 | 41.1 | 33.6 | 19.1 | | | | |
| | | 8000 | 13.0 | 34.2 | 29.3 | 33.7 | 34.1 | 35.0 | 32.3 | 30.0 | 23.8 | 13.3 | | | | | | |
| | | 10000 | | 10.5 | 7.4 | 10.5 | 12.3 | 12.1 | 8.6 | 6.3 | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 84.1 | 86.3 | 98.3 | 89.1 | 90.0 | 90.4 | 91.0 | 92.9 | 94.9 | 96.8 | 100.5 | 100.7 | 94.7 | | | | |
| PNDB | | 89.5 | 92.7 | 105.1 | 90.3 | 98.2 | 98.6 | 99.8 | 101.1 | 102.3 | 102.7 | 104.7 | 104.1 | 96.4 | | | | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 648 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

| RDG. NO. | NO. EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|-----------------|--------------------|-------------|------------------|---------------|------------------|-------------|-------------|---------------|----------------|--------------|----------------|--------------|-----------------|----------------|-------------|-------|----------------|---------|-----|
| RADIAL (12. M) | VEHICLE CELL41 | CONFIG NC57 | LOC C41 ANECH CH | DATE 06-16-76 | RUN CONF6HIGHFLW | TAPE XC6840 | BAR 29.3 HG | (98773. N/M2) | TAMB 64. DEG F | (291. DEG K) | TWET 61. DEG F | (289. DEG K) | HACT12.83 GM/M3 | (.01283 KG/M3) | FREQ. SHIFT | JCT 0 | DIAMETER RATIO | DF/DM 1 | |
| 50 | 84.1 | 92.7 | 100.7 | 91.7 | 93.5 | 93.4 | 94.3 | 95.2 | 95.7 | 97.0 | 100.4 | 101.1 | 103.9 | 139.4 | | | | | |
| 63 | 82.8 | 86.4 | 97.9 | 90.2 | 92.5 | 93.4 | 93.7 | 94.9 | 93.6 | 92.9 | 101.6 | 104.1 | 105.6 | 139.4 | | | | | |
| 80 | 125 | 82.9 | 85.2 | 99.7 | 89.0 | 90.4 | 90.0 | 92.5 | 93.9 | 99.0 | 103.7 | 105.6 | 108.4 | 141.0 | | | | | |
| 100 | 160 | 85.5 | 85.8 | 97.8 | 89.8 | 90.4 | 91.5 | 93.2 | 95.6 | 97.8 | 101.6 | 106.1 | 111.0 | 144.9 | | | | | |
| 125 | 200 | 85.5 | 85.8 | 97.8 | 89.8 | 90.4 | 91.5 | 93.2 | 95.6 | 97.8 | 101.6 | 106.1 | 111.0 | 144.9 | | | | | |
| 150 | 250 | 84.1 | 87.3 | 99.3 | 89.9 | 90.5 | 92.6 | 94.7 | 96.9 | 98.3 | 103.7 | 110.4 | 114.3 | 146.9 | | | | | |
| 175 | 315 | 85.7 | 90.9 | 99.4 | 91.5 | 94.1 | 94.7 | 95.6 | 97.7 | 100.4 | 106.3 | 112.2 | 115.9 | 149.1 | | | | | |
| 200 | 400 | 88.4 | 90.5 | 102.2 | 91.3 | 93.3 | 94.7 | 95.6 | 98.8 | 102.2 | 109.0 | 115.0 | 117.9 | 151.0 | | | | | |
| 225 | 500 | 89.3 | 90.3 | 101.8 | 92.3 | 93.9 | 95.8 | 96.9 | 99.6 | 103.3 | 110.9 | 116.8 | 119.2 | 152.3 | | | | | |
| 250 | 630 | 90.4 | 92.1 | 103.1 | 93.9 | 95.0 | 96.4 | 98.5 | 101.2 | 104.9 | 111.2 | 117.7 | 120.1 | 153.2 | | | | | |
| 275 | 800 | 93.1 | 93.4 | 104.2 | 95.4 | 97.0 | 98.4 | 99.8 | 102.7 | 106.7 | 112.5 | 118.7 | 120.9 | 154.1 | | | | | |
| 300 | 1000 | 96.0 | 97.0 | 108.2 | 98.3 | 98.1 | 99.5 | 100.6 | 104.0 | 107.7 | 112.3 | 118.0 | 120.7 | 154.3 | | | | | |
| 325 | 1250 | 98.0 | 98.6 | 109.1 | 98.6 | 99.7 | 101.1 | 102.2 | 105.1 | 108.3 | 112.6 | 118.1 | 122.0 | 154.9 | | | | | |
| 350 | 1600 | 103.6 | 102.2 | 110.7 | 101.2 | 100.1 | 101.4 | 102.3 | 105.0 | 109.2 | 113.0 | 118.5 | 121.9 | 155.0 | | | | | |
| 375 | 2000 | 104.7 | 103.7 | 114.7 | 103.0 | 102.3 | 101.7 | 102.8 | 106.0 | 109.7 | 112.8 | 118.8 | 120.7 | 154.8 | | | | | |
| 400 | 2500 | 104.0 | 104.6 | 115.1 | 104.6 | 105.0 | 104.3 | 103.7 | 105.9 | 110.3 | 112.7 | 118.6 | 118.8 | 154.3 | | | | | |
| 425 | 3150 | 102.5 | 103.3 | 115.1 | 105.3 | 106.2 | 105.3 | 105.7 | 107.6 | 111.6 | 113.4 | 118.8 | 117.8 | 154.4 | | | | | |
| 450 | 4000 | 100.8 | 101.6 | 113.1 | 102.9 | 104.2 | 105.1 | 106.2 | 108.4 | 111.1 | 113.2 | 117.1 | 116.3 | 153.2 | | | | | |
| 475 | 5000 | 100.4 | 101.7 | 112.5 | 103.2 | 103.8 | 105.2 | 105.8 | 108.7 | 111.0 | 113.3 | 115.5 | 114.7 | 152.6 | | | | | |
| 500 | 6300 | 99.7 | 101.0 | 111.8 | 102.8 | 104.4 | 105.0 | 106.7 | 109.6 | 111.1 | 112.9 | 114.9 | 113.7 | 152.4 | | | | | |
| 525 | 8000 | 98.0 | 99.6 | 110.9 | 102.6 | 104.5 | 105.1 | 107.0 | 109.6 | 111.1 | 112.8 | 113.2 | 112.3 | 151.4 | | | | | |
| 550 | 10000 | 96.9 | 99.7 | 110.3 | 102.1 | 104.1 | 104.0 | 106.6 | 108.6 | 110.8 | 111.2 | 111.6 | 111.0 | 150.3 | | | | | |
| 575 | 12500 | 95.3 | 98.5 | 109.7 | 101.1 | 102.7 | 103.8 | 105.4 | 108.9 | 109.6 | 110.0 | 108.8 | 105.3 | 149.9 | | | | | |
| 600 | 16000 | 93.3 | 96.9 | 108.5 | 101.0 | 102.5 | 103.4 | 105.0 | 108.0 | 107.8 | 108.1 | 107.4 | 104.1 | 148.6 | | | | | |
| 625 | 20000 | 91.8 | 94.9 | 106.2 | 97.6 | 101.6 | 103.4 | 105.0 | 107.9 | 104.7 | 104.5 | 104.9 | 105.1 | 147.3 | | | | | |
| 650 | 25000 | 88.6 | 92.4 | 103.5 | 95.3 | 98.3 | 97.5 | 98.8 | 99.7 | 102.6 | 101.7 | 103.0 | 100.6 | 147.4 | | | | | |
| 675 | 31500 | 86.4 | 90.7 | 102.6 | 93.8 | 96.6 | 95.3 | 97.5 | 96.9 | 99.7 | 99.5 | 100.7 | 101.6 | 147.5 | | | | | |
| 700 | 40000 | 81.8 | 86.1 | 99.7 | 89.7 | 91.5 | 91.1 | 93.3 | 92.9 | 96.0 | 97.6 | 98.6 | 98.3 | 146.3 | | | | | |
| 725 | 50000 | 76.1 | 80.4 | 94.4 | 84.2 | 84.3 | 84.6 | 85.2 | 86.1 | 90.4 | 92.7 | 94.8 | 92.1 | 147.4 | | | | | |
| 750 | 63000 | 70.7 | 74.2 | 89.3 | 78.0 | 78.2 | 78.2 | 78.2 | 80.7 | 84.5 | 88.1 | 90.2 | 86.9 | 147.4 | | | | | |
| 775 | 80000 | 67.1 | 69.4 | 86.0 | 73.4 | 72.4 | 74.0 | 74.2 | 74.6 | 79.5 | 84.5 | 87.3 | 82.3 | 153.2 | | | | | |
| 800 | OVERALL MEASURED | 112.1 | 112.8 | 123.7 | 114.1 | 115.2 | 115.5 | 116.9 | 119.1 | 121.9 | 124.6 | 129.3 | 131.1 | 128.8 | | | | | |
| 825 | OVERALL CALCULATED | 124.9 | 125.7 | 136.8 | 127.1 | 128.0 | 128.0 | 129.0 | 131.4 | 134.4 | 137.1 | 141.9 | 142.3 | 139.1 | | | | | |
| 850 | PND8 | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 684 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-125cm²(19.4in²)

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 HR. 22.1
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANHS) | | | | | | | | | | | | | | | | PHL | | |
|--------------------|------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| 50 | NO EGA | 36.8 | 90.1 | 102.1 | 92.6 | 93.2 | 95.3 | 97.5 | 99.6 | 101.1 | 106.4 | 113.1 | 115.8 | 117.1 | 101.2 | 101.2 | 101.2 | 101.2 | 101.2 | 101.2 |
| 63 | NO EGA | 68.4 | 93.7 | 102.2 | 94.2 | 96.8 | 97.4 | 98.3 | 98.3 | 100.5 | 103.2 | 109.0 | 115.0 | 118.7 | 103.4 | 103.4 | 103.4 | 103.4 | 103.4 | 103.4 |
| 80 | NO EGA | 91.2 | 93.2 | 105.0 | 94.5 | 96.1 | 97.5 | 98.4 | 98.4 | 101.5 | 105.0 | 111.8 | 117.7 | 119.5 | 106.6 | 106.6 | 106.6 | 106.6 | 106.6 | 106.6 |
| 100 | RGG. NO. 0. | 92.0 | 93.1 | 104.6 | 95.1 | 96.7 | 97.8 | 98.6 | 99.7 | 102.3 | 106.1 | 113.6 | 119.6 | 122.0 | 107.5 | 107.5 | 107.5 | 107.5 | 107.5 | 107.5 |
| 125 | RADIAL 150. F.F. | 93.1 | 94.9 | 105.9 | 96.7 | 97.8 | 99.2 | 101.2 | 102.6 | 105.5 | 109.4 | 115.2 | 121.5 | 123.6 | 108.4 | 108.4 | 108.4 | 108.4 | 108.4 | 108.4 |
| 160 | CELL41 | 95.9 | 96.2 | 106.9 | 98.2 | 99.8 | 101.2 | 102.3 | 103.4 | 106.8 | 110.5 | 115.1 | 120.8 | 123.5 | 109.1 | 109.1 | 109.1 | 109.1 | 109.1 | 109.1 |
| 200 | CONFIG NC57 | 98.7 | 99.8 | 111.0 | 101.0 | 100.9 | 102.3 | 103.4 | 105.0 | 107.9 | 111.1 | 115.4 | 120.9 | 124.8 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 250 | LOC C41 ANECH CH | 100.6 | 101.3 | 111.8 | 101.4 | 102.5 | 103.8 | 105.0 | 107.1 | 110.1 | 113.1 | 117.8 | 122.4 | 126.7 | 111.8 | 111.8 | 111.8 | 111.8 | 111.8 | 111.8 |
| 315 | DATE 06-16-76 | 106.4 | 105.0 | 113.5 | 103.0 | 102.8 | 104.2 | 105.1 | 107.7 | 112.0 | 115.8 | 121.2 | 124.7 | 121.7 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 |
| 400 | RUN CONFHIGHFLW | 107.5 | 106.5 | 117.5 | 105.8 | 105.1 | 104.5 | 105.6 | 108.8 | 112.5 | 115.6 | 121.5 | 123.5 | 119.3 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 |
| 500 | TAPE X06840 | 106.8 | 107.4 | 117.9 | 107.4 | 107.8 | 107.1 | 106.5 | 109.7 | 113.1 | 115.5 | 121.4 | 121.6 | 116.6 | 105.6 | 105.6 | 105.6 | 105.6 | 105.6 | 105.6 |
| 630 | BAR 29.3 HG | 105.3 | 106.1 | 117.9 | 108.2 | 109.0 | 108.1 | 108.5 | 110.4 | 114.4 | 116.2 | 121.7 | 120.6 | 115.6 | 104.6 | 104.6 | 104.6 | 104.6 | 104.6 | 104.6 |
| 800 | (98773. N/M2) | 103.6 | 104.4 | 116.0 | 105.8 | 107.1 | 107.9 | 109.1 | 111.3 | 114.0 | 116.1 | 120.0 | 119.2 | 112.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 |
| 1000 | TAHD 64. DEG F | 103.3 | 104.6 | 115.4 | 106.1 | 106.7 | 108.1 | 108.7 | 111.6 | 113.9 | 116.2 | 118.4 | 117.6 | 112.8 | 101.8 | 101.8 | 101.8 | 101.8 | 101.8 | 101.8 |
| 1250 | (291. DEG K) | 102.7 | 104.0 | 114.8 | 105.8 | 107.4 | 108.0 | 109.6 | 112.6 | 114.1 | 115.9 | 117.8 | 116.7 | 111.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 |
| 1600 | TWET 61. DEG F | 101.1 | 102.7 | 114.0 | 105.8 | 107.6 | 108.2 | 110.1 | 112.8 | 114.3 | 115.9 | 116.3 | 115.5 | 110.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 2000 | (289. DEG K) | 100.3 | 103.1 | 114.2 | 105.5 | 107.5 | 107.4 | 110.0 | 112.0 | 114.2 | 114.6 | 115.0 | 114.4 | 110.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 2500 | HACT12.83 GM/M3 | 99.0 | 102.2 | 113.4 | 104.8 | 106.4 | 107.5 | 109.1 | 110.5 | 112.6 | 113.3 | 113.7 | 112.5 | 109.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 3150 | (C.01283 KG/M3) | 97.6 | 101.1 | 112.8 | 105.3 | 106.8 | 106.6 | 109.3 | 109.6 | 112.3 | 112.1 | 112.4 | 111.7 | 108.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 4000 | FFREQ. SHIFT | 96.8 | 99.8 | 111.2 | 102.6 | 106.6 | 105.7 | 108.3 | 108.9 | 109.7 | 109.5 | 109.9 | 110.1 | 107.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 5000 | JET 7 | 94.9 | 98.7 | 109.8 | 101.6 | 104.6 | 103.8 | 105.1 | 106.0 | 108.8 | 108.0 | 109.3 | 106.9 | 105.9 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 6300 | DIAPHETER RATIO | 94.2 | 98.6 | 110.5 | 101.7 | 104.5 | 103.2 | 105.4 | 104.7 | 107.5 | 107.3 | 108.6 | 106.5 | 104.9 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 8000 | OF/DN 5.15 | 92.0 | 96.3 | 109.9 | 99.9 | 101.7 | 101.3 | 103.5 | 103.1 | 106.2 | 107.8 | 108.8 | 108.5 | 104.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 10000 | | 89.3 | 93.7 | 107.6 | 97.4 | 97.5 | 97.9 | 98.4 | 99.4 | 103.7 | 105.9 | 108.0 | 105.3 | 102.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 12500 | | 88.4 | 91.9 | 107.0 | 95.7 | 95.9 | 95.9 | 95.9 | 98.4 | 102.2 | 105.8 | 107.9 | 104.6 | 101.9 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 16000 | | 91.2 | 93.4 | 110.1 | 97.5 | 96.4 | 98.0 | 98.2 | 98.7 | 103.6 | 108.5 | 111.4 | 106.3 | 106.8 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| OVERALL CALCULATED | | 115.1 | 116.0 | 127.1 | 117.4 | 118.7 | 118.9 | 120.4 | 122.4 | 125.1 | 127.7 | 132.2 | 133.9 | 131.4 | 108.5 | 108.5 | 108.5 | 108.5 | 108.5 | 108.5 |
| PND6 | | 124.0 | 126.9 | 138.3 | 129.6 | 131.2 | 131.2 | 133.2 | 134.3 | 137.1 | 138.4 | 140.8 | 141.3 | 138.1 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 | 118.5 |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 684 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

| FULL SCALE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM INLET IN DEGREES (AND RADIAN)S) | | | | | | | | | | | | | | | | |
| FREQ. | 4J. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. |
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| 53 | 58.6 | 63.5 | 70.6 | 76.6 | 83.3 | 91.1 | 73.1 | 74.8 | 75.6 | 79.8 | 84.9 | 85.4 | 83.2 | | | |
| 57 | 60.2 | 67.0 | 76.6 | 82.4 | 88.3 | 95.2 | 73.2 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 60 | 62.9 | 69.5 | 79.3 | 85.1 | 91.0 | 97.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 63 | 65.6 | 72.2 | 82.0 | 87.8 | 93.7 | 100.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 66 | 68.3 | 74.9 | 84.7 | 90.5 | 96.4 | 103.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 69 | 71.0 | 77.6 | 87.4 | 93.2 | 99.1 | 106.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 72 | 73.7 | 80.3 | 90.1 | 95.9 | 101.8 | 108.7 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 75 | 76.4 | 83.0 | 92.8 | 98.6 | 104.5 | 111.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 78 | 79.1 | 85.7 | 95.5 | 101.3 | 107.2 | 114.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 81 | 81.8 | 88.4 | 98.2 | 104.0 | 110.0 | 116.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 84 | 84.5 | 91.1 | 100.9 | 106.7 | 112.7 | 119.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 87 | 87.2 | 93.8 | 103.6 | 109.4 | 115.4 | 122.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 90 | 89.9 | 96.5 | 106.3 | 112.1 | 118.1 | 125.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 93 | 92.6 | 99.2 | 109.0 | 114.8 | 120.8 | 127.7 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 96 | 95.3 | 101.9 | 111.7 | 117.5 | 123.5 | 130.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 99 | 98.0 | 104.6 | 114.4 | 120.2 | 126.2 | 133.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 102 | 100.7 | 107.3 | 117.1 | 122.9 | 128.9 | 135.8 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 105 | 103.4 | 110.0 | 119.8 | 125.6 | 131.6 | 138.5 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 108 | 106.1 | 112.7 | 122.5 | 128.3 | 134.3 | 141.2 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 111 | 108.8 | 115.4 | 125.2 | 131.0 | 137.0 | 143.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 114 | 111.5 | 118.1 | 127.9 | 133.7 | 139.7 | 146.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 117 | 114.2 | 120.8 | 130.6 | 136.4 | 142.4 | 149.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 120 | 116.9 | 123.5 | 133.3 | 139.1 | 145.1 | 151.8 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 123 | 119.6 | 126.2 | 136.0 | 141.8 | 147.8 | 154.5 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 126 | 122.3 | 128.9 | 138.7 | 144.5 | 150.5 | 157.2 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 129 | 125.0 | 131.6 | 141.4 | 147.2 | 153.2 | 160.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 132 | 127.7 | 134.3 | 144.1 | 149.9 | 155.9 | 162.7 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 135 | 130.4 | 137.0 | 146.8 | 152.6 | 158.6 | 165.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 138 | 133.1 | 139.7 | 149.5 | 155.3 | 161.3 | 168.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 141 | 135.8 | 142.4 | 152.2 | 158.0 | 164.0 | 170.8 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 144 | 138.5 | 145.1 | 154.9 | 160.7 | 166.7 | 173.5 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 147 | 141.2 | 147.8 | 157.6 | 163.4 | 169.4 | 176.2 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 150 | 143.9 | 150.5 | 160.3 | 166.1 | 172.1 | 178.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 153 | 146.6 | 153.2 | 163.0 | 168.8 | 174.8 | 181.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 156 | 149.3 | 155.9 | 165.7 | 171.5 | 177.5 | 184.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 159 | 152.0 | 158.6 | 168.4 | 174.2 | 180.2 | 187.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 162 | 154.7 | 161.3 | 171.1 | 176.9 | 182.9 | 189.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 165 | 157.4 | 164.0 | 173.8 | 179.6 | 185.6 | 192.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 168 | 160.1 | 166.7 | 176.5 | 182.3 | 188.3 | 195.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 171 | 162.8 | 169.4 | 179.2 | 185.0 | 191.0 | 197.7 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 174 | 165.5 | 172.1 | 181.9 | 187.7 | 193.7 | 200.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 177 | 168.2 | 174.8 | 184.6 | 190.4 | 196.4 | 203.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 180 | 170.9 | 177.5 | 187.3 | 193.1 | 199.1 | 205.8 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 183 | 173.6 | 180.2 | 190.0 | 195.8 | 201.8 | 208.5 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 186 | 176.3 | 182.9 | 192.7 | 198.5 | 204.5 | 211.2 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 189 | 179.0 | 185.6 | 195.4 | 201.2 | 207.2 | 213.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 192 | 181.7 | 188.3 | 198.1 | 203.9 | 209.9 | 216.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 195 | 184.4 | 191.0 | 200.8 | 206.6 | 212.6 | 219.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 198 | 187.1 | 193.7 | 203.5 | 209.3 | 215.3 | 222.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 201 | 189.8 | 196.4 | 206.2 | 212.0 | 218.0 | 224.7 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 204 | 192.5 | 199.1 | 208.9 | 214.7 | 220.7 | 227.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 207 | 195.2 | 201.8 | 211.6 | 217.4 | 223.4 | 230.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 210 | 197.9 | 204.5 | 214.3 | 220.1 | 226.1 | 232.8 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 213 | 200.6 | 207.2 | 217.0 | 222.8 | 228.8 | 235.5 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 216 | 203.3 | 210.0 | 219.8 | 225.5 | 231.5 | 238.2 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 219 | 206.0 | 212.7 | 222.5 | 228.2 | 234.2 | 240.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 222 | 208.7 | 215.4 | 225.2 | 230.9 | 236.9 | 243.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 225 | 211.4 | 218.1 | 227.9 | 233.6 | 239.6 | 246.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 228 | 214.1 | 220.8 | 230.6 | 236.3 | 242.3 | 249.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 231 | 216.8 | 223.5 | 233.3 | 239.0 | 245.0 | 251.7 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 234 | 219.5 | 226.2 | 236.0 | 241.7 | 247.7 | 254.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 237 | 222.2 | 228.9 | 238.7 | 244.4 | 250.4 | 257.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 240 | 224.9 | 231.6 | 241.4 | 247.1 | 253.1 | 259.8 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 243 | 227.6 | 234.3 | 244.1 | 249.8 | 255.8 | 262.5 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 246 | 230.3 | 237.0 | 246.8 | 252.5 | 258.5 | 265.2 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 249 | 233.0 | 239.7 | 249.5 | 255.2 | 261.2 | 267.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 252 | 235.7 | 242.4 | 252.2 | 257.9 | 263.9 | 270.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 255 | 238.4 | 245.1 | 254.9 | 260.6 | 266.6 | 273.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 258 | 241.1 | 247.8 | 257.6 | 263.3 | 269.3 | 276.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 261 | 243.8 | 250.5 | 260.3 | 266.0 | 272.0 | 278.7 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 264 | 246.5 | 253.2 | 263.0 | 268.7 | 274.7 | 281.4 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 267 | 249.2 | 255.9 | 265.7 | 271.4 | 277.4 | 284.1 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 270 | 251.9 | 258.6 | 268.4 | 274.1 | 279.1 | 286.8 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 273 | 254.6 | 261.3 | 271.1 | 276.8 | 281.8 | 289.5 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 276 | 257.3 | 264.0 | 273.8 | 279.5 | 284.5 | 292.2 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 279 | 260.0 | 266.7 | 276.5 | 282.2 | 287.2 | 294.9 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 282 | 262.7 | 269.4 | 279.2 | 284.9 | 289.9 | 297.6 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 285 | 265.4 | 272.1 | 281.9 | 287.6 | 292.6 | 300.3 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 288 | 268.1 | 274.8 | 284.6 | 290.3 | 295.3 | 303.0 | 73.1 | 73.9 | 77.6 | 82.3 | 86.7 | 88.1 | 84.9 | | | |
| 291 | 270.8 | 277.5 | | | | | | | | | | | | | | |

FULL SCALE DATA REDUCTION PROGRAM

 PROC. DATE - MONTH 9 DAY 7 HR. 17.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) (0.) (0.) |
| NO EGA | 50 | 78.3 | 80.8 | 82.3 | 82.1 | 83.7 | 85.1 | 87.0 | 88.6 | 90.8 | 95.9 | 100.6 | 102.1 | 147.9 |
| RDG. NO. 0. | 63 | 79.2 | 82.9 | 82.7 | 85.2 | 87.1 | 87.7 | 88.3 | 90.5 | 93.2 | 98.3 | 102.2 | 105.4 | 150.4 |
| RADIAL 150. FT. | 30 | 80.9 | 83.2 | 85.2 | 85.5 | 87.1 | 88.0 | 88.9 | 92.0 | 95.0 | 100.0 | 104.2 | 105.9 | 151.5 |
| (46. M) | 100 | 82.0 | 83.3 | 85.1 | 86.1 | 87.9 | 89.0 | 89.4 | 92.6 | 95.3 | 100.9 | 104.3 | 105.3 | 151.4 |
| VEHICLE | 125 | 82.6 | 85.1 | 86.2 | 87.4 | 88.3 | 89.9 | 91.0 | 93.9 | 97.4 | 101.7 | 103.7 | 104.1 | 151.0 |
| CELL41 | 150 | 83.1 | 85.9 | 87.4 | 88.5 | 90.1 | 91.2 | 92.6 | 95.2 | 98.9 | 103.5 | 103.9 | 103.6 | 151.6 |
| NC58 | 200 | 84.7 | 87.2 | 89.5 | 90.0 | 91.1 | 92.7 | 93.9 | 96.8 | 99.1 | 103.6 | 103.8 | 102.5 | 151.7 |
| LOC C41 ANECH CH | 250 | 84.3 | 87.3 | 90.3 | 90.4 | 91.5 | 93.8 | 94.5 | 97.6 | 101.3 | 104.4 | 104.4 | 103.6 | 152.6 |
| DATE 06-16-76 | 315 | 84.7 | 88.2 | 89.5 | 91.0 | 92.8 | 94.4 | 95.3 | 98.2 | 102.0 | 104.8 | 104.2 | 104.2 | 153.0 |
| RUN CONF6VELDEPN | 400 | 84.7 | 88.0 | 90.8 | 91.5 | 93.4 | 94.7 | 96.4 | 99.3 | 102.8 | 104.3 | 104.0 | 104.5 | 153.2 |
| TAPE X01070 | 500 | 84.3 | 87.9 | 91.4 | 91.9 | 93.7 | 95.1 | 97.0 | 100.4 | 104.6 | 104.5 | 104.4 | 104.8 | 154.0 |
| BAR 29.4 HG | 630 | 84.8 | 89.1 | 91.9 | 93.4 | 95.0 | 96.1 | 98.0 | 101.2 | 105.4 | 105.7 | 105.4 | 106.1 | 155.0 |
| (98212. N/M2) | 800 | 84.9 | 88.4 | 92.2 | 92.7 | 94.8 | 96.7 | 98.8 | 102.7 | 105.0 | 106.1 | 105.3 | 106.2 | 155.3 |
| TAMB 57. DEG F | 1000 | 85.0 | 88.6 | 92.1 | 94.1 | 95.7 | 97.6 | 99.7 | 103.6 | 105.6 | 106.0 | 106.7 | 107.6 | 156.2 |
| (287. DEG K) | 1250 | 85.2 | 89.3 | 93.1 | 94.6 | 97.7 | 99.8 | 102.4 | 105.1 | 106.1 | 105.9 | 107.6 | 109.0 | 157.2 |
| TWET 55. DEG F | 1600 | 85.9 | 89.2 | 93.1 | 95.6 | 98.9 | 101.2 | 104.4 | 106.3 | 106.1 | 106.9 | 107.4 | 109.0 | 157.9 |
| (286. DEG K) | 2000 | 85.3 | 90.9 | 93.5 | 96.0 | 100.6 | 101.4 | 104.8 | 106.8 | 106.0 | 105.4 | 106.8 | 107.9 | 157.8 |
| HACT10.60 GM/M3 | 2500 | 84.8 | 89.6 | 93.7 | 96.2 | 98.7 | 100.8 | 104.2 | 105.3 | 104.5 | 104.4 | 105.6 | 106.6 | 156.8 |
| (.01060 KG/M3) | 3150 | 85.0 | 90.5 | 94.2 | 97.1 | 99.2 | 100.3 | 104.2 | 103.7 | 105.0 | 103.7 | 104.1 | 106.3 | 155.2 |
| FREQ. SHIFT | 4000 | 83.9 | 89.5 | 93.4 | 95.3 | 99.3 | 99.1 | 103.0 | 101.4 | 102.7 | 101.0 | 102.1 | 104.3 | 153.9 |
| JET 7 | 5000 | 82.1 | 88.2 | 91.6 | 94.4 | 97.4 | 97.8 | 98.6 | 99.8 | 101.6 | 99.1 | 101.6 | 101.1 | 153.4 |
| DIAMETER RATIO | 6300 | 81.0 | 87.4 | 91.4 | 94.1 | 97.1 | 97.3 | 100.0 | 99.3 | 100.7 | 98.1 | 99.2 | 102.6 | 153.6 |
| DF/DH 5.15 | 8300 | 78.6 | 84.5 | 90.2 | 92.2 | 94.2 | 95.5 | 97.2 | 97.4 | 98.7 | 97.9 | 98.4 | 100.2 | 152.6 |
| | 10000 | 74.5 | 79.7 | 86.0 | 89.3 | 89.6 | 90.9 | 92.7 | 93.2 | 95.1 | 95.1 | 96.0 | 96.7 | 150.2 |
| | 12500 | 71.9 | 76.7 | 83.5 | 86.6 | 86.8 | 88.0 | 88.8 | 91.4 | 94.0 | 93.9 | 95.2 | 93.6 | 150.0 |
| | 16000 | 72.2 | 76.6 | 84.1 | 87.5 | 87.1 | 88.7 | 91.4 | 91.9 | 94.4 | 96.4 | 97.2 | 93.3 | 154.3 |
| OVERALL CALCULATED | | 97.4 | 101.5 | 104.8 | 106.8 | 109.4 | 110.7 | 113.5 | 115.1 | 116.6 | 117.3 | 118.2 | 119.2 | 154.0 |
| PNDS | | 109.7 | 114.5 | 118.0 | 120.3 | 122.7 | 123.9 | 126.9 | 127.8 | 129.1 | 128.9 | 129.8 | 131.1 | 168.4 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 6 | 6107 | 45.7m(150ft.) ARC | FULL-33m ² (513in ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | |
| FREQ. | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| NO EGA | | 50 | 50.1 | 54.2 | 56.8 | 57.3 | 59.3 | 60.8 | 62.6 | 63.8 | 65.3 | 69.3 | 72.4 | 71.6 |
| SIDE LINE 2400. FT. | | 63 | 50.3 | 56.3 | 57.1 | 60.4 | 62.7 | 63.4 | 63.9 | 65.6 | 67.6 | 71.6 | 74.9 | 70.9 |
| (731.52 M) | | 80 | 52.6 | 56.5 | 59.6 | 60.6 | 62.6 | 63.6 | 64.4 | 67.1 | 69.3 | 73.3 | 75.9 | 75.3 |
| | | 100 | 53.6 | 56.5 | 59.3 | 61.1 | 63.4 | 64.6 | 64.9 | 67.6 | 69.6 | 74.0 | 75.9 | 74.5 |
| NFA (0. RAD/SEC) | | 125 | 54.1 | 58.2 | 60.4 | 62.4 | 64.2 | 65.4 | 66.4 | 68.9 | 71.6 | 74.8 | 75.1 | 73.2 |
| | | 160 | 54.4 | 58.8 | 61.5 | 63.3 | 65.3 | 66.6 | 67.8 | 70.0 | 73.0 | 76.4 | 75.2 | 72.5 |
| NFK (1. RPM) | | 200 | 55.3 | 60.0 | 63.4 | 64.7 | 66.3 | 68.0 | 69.0 | 71.5 | 73.4 | 76.3 | 74.8 | 71.0 |
| | | 250 | 55.1 | 59.9 | 64.1 | 64.9 | 66.4 | 68.9 | 69.4 | 72.1 | 75.1 | 76.9 | 75.2 | 71.8 |
| NFD (7500. RPM) | | 315 | 55.1 | 60.4 | 62.9 | 65.3 | 67.6 | 69.3 | 70.1 | 72.5 | 75.4 | 77.0 | 74.7 | 71.9 |
| | | 400 | 54.7 | 59.9 | 63.9 | 65.5 | 67.8 | 69.4 | 70.8 | 73.3 | 75.9 | 76.2 | 74.0 | 71.7 |
| AIRFLOW RATIO | | 500 | 53.8 | 59.3 | 64.1 | 65.5 | 67.9 | 69.4 | 71.1 | 74.0 | 77.4 | 75.9 | 73.9 | 71.4 |
| WF/RM 5.15 | | 630 | 53.6 | 60.0 | 64.2 | 66.6 | 68.7 | 70.0 | 71.7 | 74.3 | 77.7 | 76.6 | 74.2 | 71.7 |
| | | 800 | 52.8 | 58.6 | 63.8 | 65.3 | 67.9 | 70.0 | 71.9 | 75.3 | 76.6 | 73.2 | 70.6 | 62.0 |
| VEHICLE CELL41 | | 1000 | 51.9 | 57.8 | 62.9 | 66.0 | 68.2 | 70.2 | 72.2 | 75.5 | 76.4 | 75.2 | 73.5 | 70.6 |
| CONFIG NC58 | | 1250 | 50.7 | 57.4 | 62.9 | 65.5 | 69.2 | 71.5 | 74.0 | 76.0 | 75.9 | 74.0 | 73.1 | 70.3 |
| LOC C41 ANECHOIC | | 1600 | 49.4 | 55.7 | 61.5 | 65.2 | 71.8 | 74.7 | 75.9 | 74.5 | 72.7 | 70.9 | 67.8 | 55.9 |
| DATE 06-16-76 | | 2000 | 46.5 | 55.5 | 60.2 | 64.1 | 69.4 | 70.5 | 73.7 | 74.8 | 74.5 | 73.0 | 68.0 | 51.4 |
| RUN CONF/VELDEPN | | 2500 | 42.7 | 51.3 | 58.0 | 62.0 | 65.4 | 67.8 | 70.9 | 71.2 | 68.7 | 66.2 | 63.4 | 58.0 |
| TAPE X61070 | | 3150 | 37.4 | 47.8 | 54.5 | 59.4 | 62.4 | 63.9 | 67.4 | 65.9 | 65.3 | 61.0 | 56.5 | 50.8 |
| FAN TIP SPEED | | 4000 | 28.3 | 40.1 | 47.8 | 52.1 | 57.4 | 57.7 | 61.1 | 58.2 | 57.1 | 51.5 | 46.5 | 38.2 |
| .FT/SEC | | 5000 | 21.8 | 34.8 | 42.6 | 48.0 | 52.5 | 53.4 | 53.7 | 53.4 | 52.6 | 45.7 | 41.3 | 29.0 |
| | | 6300 | 7.0 | 22.6 | 32.3 | 38.5 | 43.4 | 44.2 | 46.3 | 43.8 | 41.6 | 33.3 | 25.2 | 12.6 |
| | | 8000 | | 2.1 | 15.7 | 22.4 | 27.1 | 29.2 | 30.1 | 27.6 | 24.2 | 15.5 | 3.2 | |
| | | 10000 | | | | 3.7 | 6.2 | 6.8 | | | | | | |
| | | 12500 | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | |
| OVERALL CALCULATED | | 65.5 | 70.7 | 74.7 | 76.9 | 79.6 | 81.4 | 83.4 | 85.5 | 86.9 | 87.4 | 86.4 | 84.4 | 78.7 |
| PN98 | | 70.4 | 77.6 | 82.5 | 85.7 | 89.6 | 91.1 | 93.7 | 95.0 | 94.8 | 94.0 | 92.0 | 88.9 | 80.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 6107 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

| FREQ. | NO EGA | RDG. NO. | O. | RADIAL 150. FT. | VEHICLE | CELL41 | CONFIG | NC58 | LOC | C41 | ANECH | CH | DATE | 06-16-76 | RUN | CONF6 | VELDEPN | TAPE | X61080 | BAR | 29.4 | HG | 800 | 9212. | N/M2 | TAMB | 57. | DEG | F | (287. | DEG | K) | 1250 | 85.5 | 89.3 | 92.8 | 94.1 | 96.2 | 98.5 | 100.4 | 103.1 | 105.3 | 106.4 | 107.6 | 105.5 | 103.3 | 101.2 | 154.9 | 155.5 | 156.1 | 158.4 | 156.3 | 155.6 | 155.5 | 154.2 | 152.6 | 152.6 | 152.6 | 151.6 | 149.5 | 154.1 | 167.7 | PND8 | 109.8 | 115.0 | 118.7 | 120.3 | 122.4 | 124.9 | 126.2 | 128.6 | 129.1 | 130.0 | 129.4 | 128.0 | 116.0 | 90.8 | 95.5 | 96.7 | 97.5 | 90.8 | 89.0 | 92.6 | 89.0 | 91.5 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 98.5 | 99.0 | 100.8 | 99.0 | 98.9 | 98.5 | 96.5 | 94.8 | 95.1 | 96.7 | 94.7 | 91.5 | 96.5 | 9 |
|-------|--------|----------|----|-----------------|---------|--------|--------|------|-----|-----|-------|----|------|----------|-----|-------|---------|------|--------|-----|------|----|-----|-------|------|------|-----|-----|---|-------|-----|----|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|---|
|-------|--------|----------|----|-----------------|---------|--------|--------|------|-----|-----|-------|----|------|----------|-----|-------|---------|------|--------|-----|------|----|-----|-------|------|------|-----|-----|---|-------|-----|----|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|---|

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| C | 6/08 | 45.7m(150ft.) ARC | FULL-33m ² (53in ²) |

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| | 0. | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. |
| % EGA | 50 | 50.4 | 54.2 | 57.1 | 58.1 | 59.6 | 61.6 | 63.1 | 64.6 | 65.8 | 69.5 | 72.4 | 71.9 |
| SIDELINE 2400. FT. | 63 | 51.7 | 56.8 | 57.6 | 60.6 | 62.9 | 63.9 | 64.7 | 65.6 | 68.4 | 72.1 | 74.5 | 74.6 |
| (731.52 M) | 80 | 53.4 | 57.0 | 60.1 | 61.1 | 62.9 | 64.4 | 64.6 | 67.4 | 69.3 | 74.1 | 76.2 | 75.0 |
| NFA | 100 | 54.1 | 57.0 | 60.1 | 61.4 | 63.1 | 65.1 | 65.9 | 68.1 | 70.8 | 74.3 | 75.9 | 74.2 |
| (1. RPM | 125 | 54.6 | 58.5 | 60.4 | 62.9 | 64.7 | 65.9 | 66.9 | 69.1 | 72.1 | 75.0 | 75.4 | 73.2 |
| (0. RAD/SEC | 160 | 55.6 | 59.3 | 62.0 | 63.8 | 65.6 | 67.3 | 68.3 | 70.5 | 73.7 | 76.4 | 75.7 | 72.2 |
| NFK | 200 | 56.3 | 60.5 | 63.4 | 64.7 | 66.8 | 68.3 | 69.0 | 71.7 | 74.2 | 76.8 | 74.6 | 70.5 |
| (1. RPM | 250 | 56.3 | 60.4 | 64.3 | 64.9 | 66.7 | 68.9 | 69.9 | 72.6 | 75.1 | 76.9 | 74.4 | 71.5 |
| (0. RAD/SEC | 315 | 56.1 | 61.7 | 63.2 | 65.5 | 67.8 | 69.6 | 70.3 | 72.3 | 75.4 | 76.8 | 75.2 | 72.2 |
| HFD 7500. RPM | 400 | 55.7 | 60.9 | 64.7 | 65.3 | 67.6 | 69.9 | 70.8 | 73.8 | 76.2 | 76.5 | 74.8 | 71.4 |
| (785. RAD/SEC | 500 | 55.3 | 60.6 | 64.4 | 65.5 | 68.4 | 69.4 | 70.6 | 74.3 | 77.1 | 76.2 | 73.9 | 70.6 |
| AIRFLOW RATIO | 630 | 54.9 | 61.0 | 64.4 | 66.3 | 68.7 | 69.5 | 71.4 | 74.3 | 77.9 | 76.8 | 74.7 | 70.5 |
| WF/LM 5.15 | 800 | 54.0 | 59.1 | 63.3 | 64.8 | 67.4 | 69.2 | 71.2 | 74.6 | 76.6 | 76.2 | 73.2 | 69.6 |
| VEHICLE | 1000 | 52.6 | 58.6 | 62.7 | 66.0 | 67.2 | 69.5 | 71.2 | 74.5 | 75.7 | 75.4 | 73.5 | 69.6 |
| CONFIG | 1250 | 50.9 | 57.4 | 62.6 | 65.0 | 67.7 | 70.3 | 72.0 | 74.0 | 75.1 | 74.5 | 73.1 | 68.8 |
| LOC C41 ANECH CH | 1600 | 49.2 | 55.7 | 60.5 | 64.2 | 67.2 | 69.3 | 71.4 | 73.4 | 74.0 | 73.4 | 70.9 | 64.0 |
| DATE 06-16-76 | 2000 | 46.5 | 54.5 | 60.2 | 63.1 | 66.4 | 67.5 | 70.4 | 72.3 | 72.2 | 70.5 | 67.5 | 60.7 |
| RUN CONF6VELDEPN | 2500 | 42.2 | 51.6 | 58.2 | 61.0 | 64.2 | 65.6 | 68.7 | 68.9 | 68.0 | 66.7 | 63.6 | 55.8 |
| TAPE | 3150 | 37.4 | 48.5 | 55.8 | 59.6 | 61.4 | 61.9 | 64.9 | 64.2 | 64.5 | 60.8 | 56.5 | 49.0 |
| X61080 | 4000 | 28.1 | 40.3 | 48.6 | 52.6 | 57.4 | 56.2 | 58.6 | 56.4 | 52.3 | 46.7 | 36.2 | 15.4 |
| FAN TIP SPEED | 5000 | 21.3 | 35.1 | 42.8 | 47.8 | 52.0 | 51.9 | 52.5 | 51.9 | 52.4 | 46.0 | 41.5 | 26.8 |
| F1/SEC | 6300 | 6.5 | 22.6 | 32.6 | 38.3 | 43.2 | 43.0 | 44.3 | 41.5 | 40.8 | 33.3 | 25.4 | 10.9 |
| | 8000 | | 2.1 | 15.9 | 21.7 | 26.6 | 27.2 | 28.8 | 25.4 | 23.7 | 15.2 | 3.7 | |
| | 10000 | | | | 3.0 | 5.4 | 5.1 | 2.0 | | | | | |
| | 12500 | | | | | | | | | | | | |
| OVERALL CALCULATED | 66.4 | 71.3 | 74.8 | 76.7 | 79.0 | 80.7 | 82.3 | 84.7 | 86.9 | 87.6 | 86.6 | 83.9 | 78.4 |
| PND8 | 70.9 | 77.6 | 82.6 | 85.2 | 88.1 | 89.5 | 91.7 | 93.5 | 94.5 | 94.2 | 92.1 | 87.4 | 79.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 6108 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| FREQ. | | 50 | 51.4 | 55.5 | 57.6 | 58.8 | 61.1 | 62.6 | 64.3 | 65.6 | 66.6 | 70.8 | 74.2 | 73.6 |
| NO EGA | | 63 | 51.9 | 57.8 | 58.1 | 60.9 | 63.7 | 64.7 | 65.4 | 66.9 | 68.9 | 71.8 | 75.2 | 76.1 |
| SIDELINE 2400. FT. | | 80 | 54.1 | 57.5 | 60.8 | 61.9 | 63.9 | 65.4 | 66.1 | 68.4 | 70.6 | 73.8 | 76.9 | 73.0 |
| (731.52 M) | | 100 | 54.3 | 57.7 | 60.8 | 61.9 | 64.1 | 66.1 | 66.9 | 69.1 | 71.3 | 75.5 | 77.4 | 76.2 |
| NFA | | 125 | 55.6 | 59.0 | 61.4 | 63.6 | 65.4 | 66.7 | 67.9 | 70.1 | 72.6 | 75.8 | 77.1 | 74.7 |
| (0. RAD/SEC) | | 160 | 56.4 | 60.6 | 62.2 | 64.3 | 66.6 | 68.1 | 68.8 | 71.3 | 73.7 | 76.4 | 77.2 | 73.5 |
| NFK | | 200 | 57.3 | 61.5 | 64.2 | 65.5 | 66.5 | 68.5 | 69.8 | 72.0 | 74.7 | 76.8 | 76.6 | 71.8 |
| (0. RAD/SEC) | | 250 | 57.1 | 61.4 | 64.3 | 65.6 | 67.2 | 68.9 | 70.2 | 72.6 | 75.6 | 77.2 | 75.9 | 72.5 |
| NFD 7500. RPM | | 315 | 56.9 | 61.9 | 64.2 | 65.8 | 68.3 | 70.1 | 71.1 | 72.8 | 76.2 | 77.5 | 75.9 | 72.9 |
| (785. RAD/SEC) | | 400 | 56.5 | 61.4 | 64.7 | 66.0 | 67.8 | 70.1 | 71.3 | 74.0 | 76.4 | 76.5 | 75.3 | 72.9 |
| AIRFLOW RATIO | | 500 | 55.6 | 61.1 | 64.6 | 65.8 | 68.4 | 69.4 | 71.1 | 73.8 | 76.6 | 75.9 | 74.9 | 72.1 |
| WF/WM 5.15 | | 630 | 55.1 | 60.7 | 65.2 | 66.6 | 68.9 | 69.7 | 71.4 | 74.8 | 77.4 | 76.8 | 75.2 | 72.5 |
| VEHICLE CELL41 | | 800 | 53.8 | 59.1 | 63.6 | 65.1 | 67.4 | 69.5 | 71.2 | 74.8 | 76.8 | 75.4 | 73.9 | 70.6 |
| CONFIG NC58 | | 1000 | 52.4 | 58.8 | 62.7 | 65.2 | 67.2 | 69.2 | 71.2 | 74.2 | 75.7 | 75.2 | 73.7 | 69.9 |
| LOC C41 ANECH CH | | 1250 | 51.4 | 57.6 | 62.1 | 64.3 | 67.5 | 70.3 | 71.5 | 74.3 | 75.4 | 74.3 | 73.1 | 68.3 |
| DATE 06-16-76 | | 1600 | 49.9 | 55.5 | 61.0 | 63.9 | 67.2 | 68.8 | 71.2 | 73.7 | 73.2 | 73.4 | 70.9 | 65.0 |
| RUN CONF6VELDEPN | | 2000 | 47.3 | 55.2 | 61.0 | 63.1 | 66.7 | 66.3 | 69.7 | 72.1 | 71.7 | 70.5 | 67.8 | 62.5 |
| TAPE X61100 | | 2500 | 42.9 | 53.6 | 59.2 | 61.5 | 63.7 | 65.1 | 67.4 | 68.4 | 68.0 | 66.2 | 62.9 | 58.0 |
| FAN TIP SPEED | | 3150 | 38.2 | 50.5 | 56.8 | 60.4 | 61.7 | 61.4 | 64.2 | 63.7 | 64.3 | 60.8 | 57.0 | 50.5 |
| FT/SEC | | 4000 | 28.1 | 40.8 | 49.1 | 52.6 | 57.1 | 56.7 | 58.4 | 55.9 | 55.9 | 51.5 | 46.2 | 38.0 |
| | | 5000 | 22.1 | 35.6 | 42.8 | 47.8 | 52.0 | 52.4 | 52.5 | 51.9 | 52.1 | 45.7 | 41.5 | 28.3 |
| | | 6300 | 7.0 | 22.6 | 32.6 | 38.5 | 43.2 | 43.5 | 44.6 | 41.5 | 40.3 | 33.3 | 25.4 | 12.4 |
| | | 8000 | | 1.6 | 15.1 | 22.2 | 27.3 | 27.4 | 28.1 | 25.9 | 22.7 | 15.2 | 3.5 | |
| | | 10000 | | | | 3.4 | 4.9 | 4.3 | 2.0 | | | | | |
| | | 12500 | | | | | | | | | | | | |
| OVERALL CALCULATED | | 16000 | 67.0 | 71.9 | 75.2 | 77.0 | 79.3 | 80.9 | 82.4 | 85.0 | 87.0 | 87.7 | 87.6 | 85.4 |
| PNDB | | | 71.6 | 78.4 | 83.2 | 85.5 | 88.3 | 89.3 | 91.4 | 93.5 | 94.3 | 94.2 | 92.6 | 88.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 6 | 6110 | 731.5m(2400ft.) | FULL-.33m ² (513in ²) |
| | | SIDELINE | |

C-6

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| C | 6/12 | 731.5m(2400ft.) | SIDELINE
FULL--33m ² (5131n ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY - JERLOTS) | | PROC. DATE - MONTH | 8 DAY 26 HR. 22.1 |
|--|-----|--------------------|-------------------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | |
| 40. | 50. | 60. | 70. |
| | | | 80. |

| FRQ. | (0.7C) | (0.47) | (1.05) | (1.22) | (1.4C) | (1.57) | 97. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
|------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| NO EGA | 53 | 82.8 | 87.1 | 98.8 | 88.6 | 89.5 | 91.3 | 93.7 | 95.6 | 97.1 | 101.9 | 108.4 | 111.3 | 112.3 |
| RDG. NO. | 63 | 84.9 | 89.4 | 97.9 | 90.2 | 93.1 | 93.4 | 94.3 | 97.0 | 99.2 | 104.3 | 110.2 | 114.2 | 114.7 |
| RADIAL 150. FT. | 80 | 87.2 | 88.7 | 101.0 | 91.3 | 92.4 | 93.5 | 94.6 | 97.8 | 100.5 | 107.3 | 113.5 | 115.9 | 115.7 |
| VEHICLE | 100 | 87.5 | 88.5 | 100.0 | 91.3 | 92.4 | 94.5 | 95.4 | 98.1 | 101.6 | 105.1 | 115.6 | 117.3 | 115.5 |
| CELL41 | 125 | 88.9 | 90.6 | 101.4 | 92.9 | 94.5 | 95.9 | 97.8 | 99.4 | 103.2 | 109.2 | 115.9 | 118.4 | 116.6 |
| CONFIG | 160 | 91.9 | 92.2 | 102.7 | 94.7 | 96.1 | 97.2 | 98.8 | 101.5 | 104.7 | 110.2 | 117.2 | 119.1 | 117.7 |
| LOC C41 ANECH CH | 200 | 95.0 | 96.0 | 107.0 | 97.0 | 97.6 | 98.7 | 99.6 | 102.3 | 105.0 | 110.6 | 116.5 | 118.5 | 118.0 |
| DATE 06-16-76 | 250 | 93.6 | 95.1 | 107.1 | 97.1 | 98.5 | 99.8 | 100.5 | 103.6 | 106.3 | 110.2 | 115.9 | 119.3 | 117.6 |
| RUN CONFOVELDEPN | 315 | 95.7 | 96.2 | 105.7 | 97.5 | 98.3 | 99.9 | 100.6 | 102.7 | 107.5 | 110.5 | 115.0 | 118.9 | 117.4 |
| TAPE X61130 | 400 | 101.2 | 99.2 | 109.8 | 98.0 | 99.1 | 100.2 | 101.4 | 103.8 | 107.0 | 110.1 | 113.5 | 117.2 | 115.7 |
| BAR 29.3 HG | 500 | 103.6 | 102.9 | 112.1 | 101.7 | 100.7 | 100.6 | 101.0 | 104.4 | 107.9 | 109.0 | 112.9 | 116.1 | 114.1 |
| (99009. 4/M2) | 630 | 102.8 | 102.4 | 113.4 | 103.4 | 103.5 | 101.9 | 101.8 | 104.9 | 108.1 | 109.5 | 112.7 | 115.3 | 112.6 |
| TAMB 57. DEG F | 800 | 100.9 | 100.9 | 112.2 | 102.2 | 103.6 | 103.4 | 102.8 | 105.5 | 107.5 | 108.6 | 111.3 | 113.2 | 110.2 |
| (287. DEG K) | 1000 | 99.3 | 99.8 | 110.6 | 102.6 | 102.5 | 103.3 | 104.0 | 105.9 | 107.4 | 107.7 | 110.7 | 111.8 | 109.8 |
| TYMET 55. DEG F | 1250 | 97.7 | 98.8 | 109.8 | 101.3 | 103.2 | 103.8 | 105.2 | 106.6 | 108.1 | 107.9 | 110.1 | 111.8 | 109.8 |
| (286. DEG K) | 1600 | 97.1 | 98.0 | 109.1 | 101.1 | 102.6 | 103.7 | 105.4 | 107.3 | 107.8 | 107.9 | 109.6 | 110.5 | 108.5 |
| HACT10.60 GN/M3 | 2000 | 95.1 | 98.7 | 109.3 | 100.8 | 102.6 | 102.7 | 105.1 | 107.3 | 108.0 | 107.2 | 109.3 | 110.7 | 108.9 |
| (.01060 KG/M3) | 2500 | 93.5 | 96.8 | 108.7 | 100.2 | 101.5 | 101.6 | 104.5 | 106.3 | 107.0 | 105.9 | 108.1 | 109.6 | 107.8 |
| FREQ. SHIFT | 3150 | 92.2 | 95.8 | 107.5 | 99.9 | 101.4 | 101.5 | 103.9 | 104.9 | 106.7 | 105.0 | 107.1 | 108.3 | 107.0 |
| JET 7 | 4000 | 90.7 | 93.8 | 105.9 | 97.5 | 101.0 | 100.1 | 103.0 | 101.9 | 104.7 | 102.2 | 104.1 | 106.0 | 105.4 |
| DIAMETER RATIO | 5000 | 88.6 | 93.2 | 104.1 | 96.1 | 99.1 | 98.6 | 99.9 | 100.5 | 103.6 | 100.3 | 103.6 | 102.9 | 103.4 |
| DF/PM 5.15 | 6300 | 88.0 | 92.9 | 104.7 | 96.8 | 99.1 | 98.3 | 100.7 | 99.6 | 101.7 | 99.1 | 102.0 | 104.8 | 102.5 |
| | 8000 | 85.6 | 90.5 | 103.9 | 95.2 | 96.7 | 96.5 | 99.0 | 97.1 | 99.7 | 97.9 | 100.9 | 102.5 | 101.3 |
| | 10000 | 82.6 | 87.2 | 100.8 | 91.8 | 92.6 | 93.2 | 95.5 | 94.0 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------|---|
| C | 6413 | 45.7m (150ft.) ARC | FI111 - 33m ² (513m ²) |

PROC. DATE - MONTH 8 DAY 26 HR. 22.1

| FULL SIZE SOUND PRESSURE | | | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| FREQ. | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. | | | | | | | | | | | | 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | | |
| (0.70)(0.37)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) (0.) | | | | | | | | | | | | (0.70)(0.37)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0.) (0.) (0.) (0.) | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | 54.6 60.5 73.3 63.8 65.1 67.1 69.2 69.9 72.1 73.6 77.6 82.0 83.6 80.7 | | | | | | | | | | | |
| 63 | | | | | | | | | | | | 56.7 62.8 72.4 65.4 68.7 69.2 69.9 70.1 72.9 74.3 80.6 85.2 85.3 81.5 | | | | | | | | | | | |
| 80 | | | | | | | | | | | | 58.9 62.0 75.3 66.4 67.9 69.1 70.1 72.9 74.3 80.6 85.2 85.3 81.5 | | | | | | | | | | | |
| 100 | | | | | | | | | | | | 59.1 61.7 74.8 66.4 67.9 70.1 70.9 73.1 76.1 82.3 87.1 86.5 81.2 | | | | | | | | | | | |
| 125 | | | | | | | | | | | | 60.3 63.7 75.6 67.9 69.9 71.4 73.2 74.4 77.4 82.3 87.4 82.0 82.0 | | | | | | | | | | | |
| 160 | | | | | | | | | | | | 63.1 65.1 76.7 69.5 71.3 72.6 74.1 76.3 78.7 83.2 88.5 88.0 82.7 | | | | | | | | | | | |
| 200 | | | | | | | | | | | | 66.0 68.7 80.9 71.7 72.8 74.0 74.8 77.0 78.9 83.3 87.6 87.0 82.6 | | | | | | | | | | | |
| 250 | | | | | | | | | | | | 64.3 67.6 80.8 71.6 73.4 74.9 75.4 78.1 80.1 82.7 86.7 87.5 81.7 | | | | | | | | | | | |
| 315 | | | | | | | | | | | | 66.1 68.4 79.2 71.8 73.1 74.8 75.3 77.0 80.9 82.8 85.4 86.7 80.9 | | | | | | | | | | | |
| 400 | | | | | | | | | | | | 71.2 71.1 82.9 72.0 73.6 74.9 75.8 77.8 80.2 82.0 83.5 84.4 78.4 | | | | | | | | | | | |
| 500 | | | | | | | | | | | | 73.1 74.3 84.9 75.3 74.9 75.1 78.0 80.6 80.4 82.4 82.6 75.7 75.7 | | | | | | | | | | | |
| 630 | | | | | | | | | | | | 71.6 73.2 85.7 76.6 77.2 75.7 75.4 78.1 80.4 80.3 81.5 81.0 72.9 | | | | | | | | | | | |
| 800 | | | | | | | | | | | | 68.8 71.1 83.8 74.8 76.7 76.7 75.9 78.1 79.1 78.7 79.2 77.6 68.8 | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | 66.1 69.1 81.4 74.5 74.9 76.0 76.4 77.7 78.2 76.9 77.5 74.9 66.4 | | | | | | | | | | | |
| 1250 | | | | | | | | | | | | 63.2 66.9 79.6 72.3 74.7 75.5 76.7 77.5 77.9 76.0 75.6 73.1 63.7 | | | | | | | | | | | |
| 1600 | | | | | | | | | | | | 60.7 64.5 77.5 70.7 72.9 74.3 75.7 76.9 76.2 74.4 73.1 69.3 58.7 | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | 56.3 63.2 76.0 66.8 71.4 71.8 73.9 75.3 74.7 71.7 70.5 66.5 54.7 | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | 51.2 58.6 73.0 66.0 68.2 68.6 71.2 72.2 71.2 67.7 65.9 61.0 47.2 | | | | | | | | | | | |
| 3150 | | | | | | | | | | | | 44.7 53.0 67.8 62.1 64.7 65.1 67.2 67.2 67.0 62.3 59.5 52.8 36.0 | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | 35.1 44.3 60.3 54.3 59.1 58.7 61.1 58.7 59.1 52.8 48.5 40.0 18.9 | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | 26.3 39.8 55.1 49.8 54.2 54.2 55.0 54.2 54.6 47.0 43.3 30.8 8.0 | | | | | | | | | | | |
| 6300 | | | | | | | | | | | | 14.0 28.1 45.6 41.3 45.4 45.2 47.1 44.0 42.6 34.3 27.9 14.9 | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | 8.1 29.4 25.4 23.3 29.6 30.2 31.8 27.4 25.2 15.5 5.7 | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | 4.8 2.3 6.7 8.4 9.6 4.5 0.5 | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | | | | | | | | | | | |
| CONFIG NC57 | | | | | | | | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | | | | | | | | | |
| DATE 06-16-76 | | | | | | | | | | | | | | | | | | | | | | | |
| RUN CONFVDELDPN | | | | | | | | | | | | | | | | | | | | | | | |
| TAPE X61130 | | | | | | | | | | | | | | | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 6113 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-.33m²(513in²) SIZE

4C. 50. 6C. 7C. 80. 90. 10C. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000. 1010. 1020. 1030. 1040. 1050. 1060. 1070. 1080. 1090. 1100. 1110. 1120. 1130. 1140. 1150. 1160. 1170. 1180. 1190. 1200. 1210. 1220. 1230. 1240. 1250. 1260. 1270. 1280. 1290. 1300. 1310. 1320. 1330. 1340. 1350. 1360. 1370. 1380. 1390. 1400. 1410. 1420. 1430. 1440. 1450. 1460. 1470. 1480. 1490. 1500. 1510. 1520. 1530. 1540. 1550. 1560. 1570. 1580. 1590. 1600. 1610. 1620. 1630. 1640. 1650. 1660. 1670. 1680. 1690. 1700. 1710. 1720. 1730. 1740. 1750. 1760. 1770. 1780. 1790. 1800. 1810. 1820. 1830. 1840. 1850. 1860. 1870. 1880. 1890. 1900. 1910. 1920. 1930. 1940. 1950. 1960. 1970. 1980. 1990. 2000. 2010. 2020. 2030. 2040. 2050. 2060. 2070. 2080. 2090. 2100. 2110. 2120. 2130. 2140. 2150. 2160. 2170. 2180. 2190. 2200. 2210. 2220. 2230. 2240. 2250. 2260. 2270. 2280. 2290. 2300. 2310. 2320. 2330. 2340. 2350. 2360. 2370. 2380. 2390. 2400. 2410. 2420. 2430. 2440. 2450. 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540. 2550. 2560. 2570. 2580. 2590. 2600. 2610. 2620. 2630. 2640. 2650. 2660. 2670. 2680. 2690. 2700. 2710. 2720. 2730. 2740. 2750. 2760. 2770. 2780. 2790. 2800. 2810. 2820. 2830. 2840. 2850. 2860. 2870. 2880. 2890. 2900. 2910. 2920. 2930. 2940. 2950. 2960. 2970. 2980. 2990. 3000. 3010. 3020. 3030. 3040. 3050. 3060. 3070. 3080. 3090. 3100. 3110. 3120. 3130. 3140. 3150. 3160. 3170. 3180. 3190. 3200. 3210. 3220. 3230. 3240. 3250. 3260. 3270. 3280. 3290. 3300. 3310. 3320. 3330. 3340. 3350. 3360. 3370. 3380. 3390. 3400. 3410. 3420. 3430. 3440. 3450. 3460. 3470. 3480. 3490. 3500. 3510. 3520. 3530. 3540. 3550. 3560. 3570. 3580. 3590. 3600. 3610. 3620. 3630. 3640. 3650. 3660. 3670. 3680. 3690. 3700. 3710. 3720. 3730. 3740. 3750. 3760. 3770. 3780. 3790. 3800. 3810. 3820. 3830. 3840. 3850. 3860. 3870. 3880. 3890. 3900. 3910. 3920. 3930. 3940. 3950. 3960. 3970. 3980. 3990. 4000. 4010. 4020. 4030. 4040. 4050. 4060. 4070. 4080. 4090. 4100. 4110. 4120. 4130. 4140. 4150. 4160. 4170. 4180. 4190. 4200. 4210. 4220. 4230. 4240. 4250. 4260. 4270. 4280. 4290. 4300. 4310. 4320. 4330. 4340. 4350. 4360. 4370. 4380. 4390. 4400. 4410. 4420. 4430. 4440. 4450. 4460. 4470. 4480. 4490. 4500. 4510. 4520. 4530. 4540. 4550. 4560. 4570. 4580. 4590. 4600. 4610. 4620. 4630. 4640. 4650. 4660. 4670. 4680. 4690. 4700. 4710. 4720. 4730. 4740. 4750. 4760. 4770. 4780. 4790. 4800. 4810. 4820. 4830. 4840. 4850. 4860. 4870. 4880. 4890. 4900. 4910. 4920. 4930. 4940. 4950. 4960. 4970. 4980. 4990. 5000. 5010. 5020. 5030. 5040. 5050. 5060. 5070. 5080. 5090. 5100. 5110. 5120. 5130. 5140. 5150. 5160. 5170. 5180. 5190. 5200. 5210. 5220. 5230. 5240. 5250. 5260. 5270. 5280. 5290. 5300. 5310. 5320. 5330. 5340. 5350. 5360. 5370. 5380. 5390. 5400. 5410. 5420. 5430. 5440. 5450. 5460. 5470. 5480. 5490. 5500. 5510. 5520. 5530. 5540. 5550. 5560. 5570. 5580. 5590. 5600. 5610. 5620. 5630. 5640. 5650. 5660. 5670. 5680. 5690. 5700. 5710. 5720. 5730. 5740. 5750. 5760. 5770. 5780. 5790. 5800. 5810. 5820. 5830. 5840. 5850. 5860. 5870. 5880. 5890. 5900. 5910. 5920. 5930. 5940. 5950. 5960. 5970. 5980. 5990. 6000. 6010. 6020. 6030. 6040. 6050. 6060. 6070. 6080. 6090. 6100. 6110. 6120. 6130. 6140. 6150. 6160. 6170. 6180. 6190. 6200. 6210. 6220. 6230. 6240. 6250. 6260. 6270. 6280. 6290. 6300. 6310. 6320. 6330. 6340. 6350. 6360. 6370. 6380. 6390. 6400. 6410. 6420. 6430. 6440. 6450. 6460. 6470. 6480. 6490. 6500. 6510. 6520. 6530. 6540. 6550. 6560. 6570. 6580. 6590. 6600. 6610. 6620. 6630. 6640. 6650. 6660. 6670. 6680. 6690. 6700. 6710. 6720. 6730. 6740. 6750. 6760. 6770. 6780. 6790. 6800. 6810. 6820. 6830. 6840. 6850. 6860. 6870. 6880. 6890. 6900. 6910. 6920. 6930. 6940. 6950. 6960. 6970. 6980. 6990. 7000. 7010. 7020. 70

| NO | REG. NO. | 3. | 40. FT. | 12. M | VEHICLE | CELL41 | NC58 | LOC | C41 | ARECH | CH | DATE | 06-16-76 | 315 | RUN | CONF | VEL | DEPA | 400 | 77.4 | 79.7 | 82.2 | 82.5 | 84.1 | 85.0 | 86.0 | 86.4 | 86.8 | 87.2 | 88.7 | 90.3 | 91.9 | 92.8 | 95.0 | 99.9 | 101.7 | 102.5 | 101.4 | 98.7 | 139.1 | 134.6 | 146.1 | 141.2 | 141.5 | 142.4 | 143.2 | 143.7 | 143.8 | 143.0 | 142.7 | 141.4 | 139.6 | 138.6 | 137.5 | 137.3 | 136.2 | 136.1 | 133.2 | 133.1 | 127.2 | 127.0 | 126.0 | 131.6 | 133.2 | 135.1 | 136.1 | 136.2 | 140.3 | 154.6 |
|----|----------|----|---------|-------|---------|--------|------|-----|-----|-------|----|------|----------|-----|-----|------|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NO | REG. NO. | 3. | 40. FT. | 12. M | VEHICLE | CELL41 | NC58 | LOC | C41 | ARECH | CH | DATE | 06-16-76 | 315 | RUN | CONF | VEL | DEPA | 400 | 77.4 | 79.7 | 82.2 | 82.5 | 84.1 | 85.0 | 86.0 | 86.4 | 86.8 | 87.2 | 88.7 | 90.3 | 91.9 | 92.8 | 95.0 | 99.9 | 101.7 | 102.5 | 101.4 | 98.7 | 139.1 | 134.6 | 146.1 | 141.2 | 141.5 | 142.4 | 143.2 | 143.7 | 143.8 | 143.0 | 142.7 | 141.4 | 139.6 | 138.6 | 137.5 | 137.3 | 136.2 | 136.1 | 133.2 | 133.1 | 127.2 | 127.0 | 126.0 | 131.6 | 133.2 | 135.1 | 136.1 | 136.2 | 140.3 | 154.6 |
| NO | REG. NO. | 3. | 40. FT. | 12. M | VEHICLE | CELL41 | NC58 | LOC | C41 | ARECH | CH | DATE | 06-16-76 | 315 | RUN | CONF | VEL | DEPA | 400 | 77.4 | 79.7 | 82.2 | 82.5 | 84.1 | 85.0 | 86.0 | 86.4 | 86.8 | 87.2 | 88.7 | 90.3 | 91.9 | 92.8 | 95.0 | 99.9 | 101.7 | 102.5 | 101.4 | 98.7 | 139.1 | 134.6 | 146.1 | 141.2 | 141.5 | 142.4 | 143.2 | 143.7 | 143.8 | 143.0 | 142.7 | 141.4 | 139.6 | 138.6 | 137.5 | 137.3 | 136.2 | 136.1 | 133.2 | 133.1 | 127.2 | 127.0 | 126.0 | 131.6 | 133.2 | 135.1 | 136.1 | 136.2 | 140.3 | 154.6 |
| NO | REG. NO. | 3. | 40. FT. | 12. M | VEHICLE | CELL41 | NC58 | LOC | C41 | ARECH | CH | DATE | 06-16-76 | 315 | RUN | CONF | VEL | DEPA | 400 | 77.4 | 79.7 | 82.2 | 82.5 | 84.1 | 85.0 | 86.0 | 86.4 | 86.8 | 87.2 | 88.7 | 90.3 | 91.9 | 92.8 | 95.0 | 99.9 | 101.7 | 102.5 | 101.4 | 98.7 | 139.1 | 134.6 | 146.1 | 141.2 | 141.5 | 142.4 | 143.2 | 143.7 | 143.8 | 143.0 | 142.7 | 141.4 | 139.6 | 138.6 | 137.5 | 137.3 | 136.2 | 136.1 | 133.2 | 133.1 | 127.2 | 127.0 | 126.0 | 131.6 | 133.2 | 135.1 | 136.1 | 136.2 | 140.3 | 154.6 |
| NO | REG. NO. | 3. | 40. FT. | 12. M | VEHICLE | CELL41 | NC58 | LOC | C41 | ARECH | CH | DATE | 06-16-76 | 315 | RUN | CONF | VEL | DEPA | 400 | 77.4 | 79.7 | 82.2 | 82.5 | 84.1 | 85.0 | 86.0 | 86.4 | 86.8 | 87.2 | 88.7 | 90.3 | 91.9 | 92.8 | 95.0 | 99.9 | 101.7 | 102.5 | 101.4 | 98.7 | 139.1 | 134.6 | 146.1 | 141.2 | 141.5 | 142.4 | 143.2 | 143.7 | 143.8 | 143.0 | 142.7 | 141.4 | 139.6 | 138.6 | 137.5 | 137.3 | 136.2 | 136.1 | 133.2 | 133.1 | 127.2 | 127.0 | 126.0 | 131.6 | 133.2 | 135.1 | 136.1 | 136.2 | 140.3 | 154.6 |
| NO | REG. NO. | 3. | 40. FT. | 12. M | VEHICLE | CELL41 | NC58 | LOC | C41 | ARECH | CH | DATE | 06-16-76 | 315 | RUN | CONF | VEL | DEPA | 400 | 77.4 | 79.7 | 82.2 | 82.5 | 84.1 | 85.0 | 86.0 | 86.4 | 86.8 | 87.2 | 88.7 | 90.3 | 91.9 | 92.8 | 95.0 | 99.9 | 101.7 | 102.5 | 101.4 | 98.7 | 139.1 | 134.6 | 146.1 | 141.2 | 141.5 | 142.4 | 143.2 | 143.7 | 143.8 | 143.0 | 142.7 | 141.4 | 139.6 | 138.6 | 137.5 | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|----------------|---|
| 6 | 6114 | 12.2m(40ft.) | MODEL-125cm ² (19.4in ²) |

PROC. DATE - MONTH 9 DAY 7 HR. 17.6
ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIANS)

| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | 0. | 0. | 0. | 0. | 0. | PUL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|------|------|------|-------|
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | |
| NO EGA | 53 | 77.8 | 80.6 | 81.3 | 82.1 | 83.7 | 85.1 | 87.0 | 88.4 | 90.5 | 93.4 | 97.8 | 101.5 | 103.4 | 103.9 | | | | | | 147.5 |
| RDG. NO. | 80 | 80.2 | 82.5 | 85.0 | 85.3 | 86.9 | 87.7 | 88.4 | 91.5 | 94.5 | 99.5 | 103.2 | 104.4 | 103.7 | | | | | | | 149.3 |
| RADIAL 150. FT. | 100 | 81.3 | 83.0 | 84.3 | 85.8 | 87.2 | 88.8 | 89.2 | 92.3 | 95.8 | 100.9 | 103.6 | 103.8 | 102.3 | | | | | | | 150.4 |
| (46. M) | 125 | 92.4 | 84.6 | 85.9 | 87.2 | 86.8 | 89.6 | 91.0 | 93.4 | 97.4 | 101.2 | 103.7 | 103.1 | 100.9 | | | | | | | 150.5 |
| VEHICLE | 160 | 83.6 | 86.2 | 87.4 | 89.0 | 90.3 | 91.2 | 92.1 | 95.5 | 99.4 | 103.2 | 104.7 | 103.4 | 100.9 | | | | | | | 151.8 |
| CELL41 | 200 | 85.0 | 87.5 | 89.5 | 89.8 | 91.4 | 92.5 | 93.6 | 96.3 | 100.0 | 103.8 | 104.5 | 102.5 | 100.5 | | | | | | | 152.0 |
| CONFIG | 250 | 84.8 | 87.8 | 90.6 | 90.6 | 91.7 | 93.8 | 94.5 | 97.4 | 101.1 | 104.9 | 104.6 | 103.8 | 101.1 | | | | | | | 152.8 |
| LOC C41 ANECH CH | 315 | 84.9 | 89.2 | 90.0 | 91.5 | 93.1 | 94.7 | 95.6 | 97.7 | 102.7 | 104.5 | 105.2 | 104.2 | 101.4 | | | | | | | 153.3 |
| DATE 06-16-76 | 400 | 85.5 | 89.2 | 91.3 | 91.3 | 93.4 | 95.0 | 96.9 | 99.5 | 103.5 | 104.8 | 105.3 | 104.7 | 101.7 | | | | | | | 153.8 |
| RUN CONF6VELDEPN | 500 | 85.3 | 88.9 | 91.4 | 92.2 | 94.2 | 95.4 | 97.2 | 100.2 | 104.9 | 104.5 | 105.7 | 105.6 | 101.9 | | | | | | | 154.4 |
| TAPE X61140 | 630 | 85.3 | 89.6 | 92.9 | 93.7 | 95.3 | 96.1 | 98.3 | 101.7 | 106.1 | 105.7 | 106.4 | 106.1 | 102.9 | | | | | | | 155.4 |
| BAR 29.4 HG | 800 | 85.6 | 89.0 | 92.7 | 93.0 | 95.1 | 96.7 | 99.1 | 103.0 | 105.5 | 106.3 | 106.5 | 106.7 | 102.7 | | | | | | | 156.5 |
| (99212. N/M2) | 1000 | 85.3 | 89.3 | 92.9 | 94.6 | 95.7 | 97.8 | 100.2 | 103.9 | 106.4 | 106.5 | 107.7 | 107.8 | 104.1 | | | | | | | 157.4 |
| TAMB 56. DEG F | 1250 | 85.5 | 89.8 | 93.3 | 94.6 | 97.4 | 99.8 | 102.2 | 105.1 | 106.1 | 106.9 | 108.4 | 108.8 | 104.5 | | | | | | | 157.9 |
| (286. DEG K) | 1600 | 85.7 | 90.0 | 93.6 | 95.8 | 98.6 | 101.2 | 103.6 | 106.1 | 105.8 | 107.7 | 108.6 | 108.2 | 104.5 | | | | | | | 158.1 |
| TWET 54. DEG F | 2000 | 85.3 | 90.9 | 94.5 | 96.5 | 99.6 | 100.9 | 104.6 | 106.5 | 106.3 | 106.7 | 107.4 | 103.9 | 105.4 | | | | | | | 157.2 |
| (285. DEG K) | 2500 | 84.3 | 90.6 | 94.7 | 96.4 | 99.0 | 100.6 | 104.0 | 105.1 | 105.2 | 105.7 | 106.1 | 107.6 | 105.1 | | | | | | | 157.2 |
| HACT10.22 GM/M3 | 3150 | 85.0 | 91.8 | 95.8 | 97.9 | 99.7 | 100.3 | 104.0 | 103.7 | 105.3 | 104.5 | 105.1 | 107.4 | 104.3 | | | | | | | 157.0 |
| (.01022 KG/M3) | 4000 | 83.2 | 90.6 | 94.5 | 96.3 | 99.6 | 99.4 | 102.8 | 101.4 | 103.5 | 102.3 | 102.4 | 105.3 | 103.4 | | | | | | | 155.6 |
| FREQ. SHIFT | 5000 | 81.9 | 89.0 | 91.9 | 94.7 | 97.7 | 97.6 | 99.2 | 100.6 | 102.4 | 99.9 | 101.9 | 101.5 | 100.5 | | | | | | | 153.8 |
| JET 7 | 6300 | 81.4 | 87.8 | 92.0 | 94.7 | 97.9 | 97.9 | 100.0 | 99.4 | 101.0 | 99.7 | 99.8 | 102.9 | 100.1 | | | | | | | 154.3 |
| DIAMETER RATIO | 8000 | 77.9 | 85.1 | 90.5 | 93.0 | 94.6 | 95.1 | 98.1 | 97.5 | 99.3 | 98.7 | 99.3 | 100.6 | 98.1 | | | | | | | 153.0 |
| DF/DN 5.15 | 10000 | 74.1 | 80.6 | 87.2 | 89.7 | 90.0 | 91.6 | 92.8 | 93.8 | 95.7 | 95.8 | 96.3 | 96.3 | 93.3 | | | | | | | 150.5 |
| | 12500 | 71.6 | 77.4 | 85.1 | 87.0 | 87.7 | 88.4 | 89.5 | 91.8 | 93.6 | 94.6 | 95.6 | 93.5 | 91.2 | | | | | | | 150.3 |
| | 16000 | 72.4 | 76.8 | 84.5 | 87.9 | 88.3 | 89.4 | 90.8 | 92.3 | 95.1 | 97.1 | 97.2 | 92.7 | 91.7 | | | | | | | 154.5 |
| OVERALL CALCULATED | | 97.6 | 102.2 | 105.5 | 107.2 | 109.5 | 110.7 | 113.3 | 115.1 | 117.0 | 117.8 | 118.8 | 119.2 | 116.5 | | | | | | | 168.6 |
| PND3 | | 109.7 | 115.4 | 119.0 | 120.9 | 123.0 | 123.9 | 126.8 | 127.8 | 129.5 | 129.7 | 130.4 | 131.6 | 128.8 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| C | 6114 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--------------------|--|--|------|------|------|------|------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.4) | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| | | NO EGA | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| SIDELINE 2400. FT. | | 50 | 49.6 | 54.0 | 56.3 | 57.3 | 59.3 | 60.8 | 62.6 | 63.6 | 65.1 |
| (731.52 M) | | 63 | 50.9 | 55.3 | 56.9 | 59.6 | 62.4 | 63.9 | 65.6 | 67.9 | 71.1 |
| NFA (0. RAD/SEC) | | 80 | 51.9 | 55.7 | 59.3 | 60.4 | 62.4 | 63.4 | 63.9 | 66.6 | 68.8 |
| 1. RPM | | 100 | 52.8 | 56.2 | 59.1 | 60.9 | 62.6 | 64.4 | 66.4 | 67.4 | 70.1 |
| NFK (0. RAD/SEC) | | 125 | 53.8 | 57.7 | 60.1 | 62.1 | 64.2 | 65.2 | 66.4 | 68.4 | 71.6 |
| 1. RPM | | 160 | 54.9 | 59.1 | 61.5 | 63.8 | 65.6 | 66.6 | 67.3 | 70.3 | 73.5 |
| NFD (0. RAD/SEC) | | 200 | 56.0 | 60.2 | 63.4 | 64.5 | 66.5 | 67.8 | 68.8 | 71.0 | 73.9 |
| 7500. RPM | | 250 | 55.6 | 60.4 | 64.3 | 65.1 | 66.7 | 68.9 | 69.4 | 71.9 | 74.8 |
| (785. RAD/SEC) | | 315 | 55.4 | 61.4 | 64.4 | 65.8 | 67.8 | 69.6 | 70.3 | 72.0 | 76.8 |
| AIRFLOW RATIO | | 400 | 55.5 | 61.1 | 64.4 | 65.3 | 67.8 | 69.6 | 71.3 | 73.5 | 76.7 |
| WF/W 5.15 | | 500 | 54.8 | 60.3 | 64.1 | 65.8 | 68.4 | 69.7 | 71.4 | 73.8 | 77.6 |
| VEHICLE CELL41 | | 630 | 54.1 | 60.5 | 65.2 | 66.8 | 68.9 | 70.0 | 71.9 | 74.8 | 78.4 |
| CONFIG NC58 | | 800 | 53.5 | 59.1 | 64.3 | 65.6 | 68.2 | 70.0 | 72.2 | 75.6 | 77.1 |
| LOC C41 ANECH CH | | 1000 | 52.1 | 58.6 | 63.7 | 66.5 | 68.2 | 70.5 | 72.7 | 75.7 | 77.2 |
| DATE 06-16-76 | | 1250 | 50.9 | 57.9 | 63.1 | 65.5 | 69.0 | 71.5 | 73.7 | 76.0 | 75.9 |
| RUN CONF0VELDEPN | | 1600 | 49.2 | 56.5 | 62.0 | 65.4 | 69.0 | 71.8 | 74.0 | 75.7 | 74.2 |
| TAPE X61140 | | 2000 | 46.5 | 55.5 | 61.2 | 64.6 | 68.4 | 70.0 | 73.4 | 74.2 | 72.1 |
| FAN TIP SPEED | | 2500 | 42.2 | 52.4 | 57.0 | 62.3 | 65.7 | 67.6 | 70.7 | 70.9 | 69.5 |
| FT/SEC | | 3150 | 37.5 | 49.1 | 56.1 | 60.1 | 63.0 | 63.9 | 67.2 | 65.9 | 61.8 |
| | | 4000 | 27.6 | 41.1 | 48.9 | 53.1 | 57.7 | 57.9 | 60.9 | 58.2 | 57.9 |
| | | 5000 | 21.6 | 35.6 | 42.9 | 48.4 | 52.8 | 53.2 | 54.3 | 54.2 | 53.4 |
| | | 6300 | 7.3 | 23.0 | 32.9 | 39.1 | 44.2 | 44.8 | 46.4 | 43.9 | 41.9 |
| | | 8000 | | 2.7 | 16.0 | 23.3 | 27.4 | 28.8 | 30.9 | 27.8 | 24.8 |
| | | 10000 | | | 0.2 | 4.1 | 6.8 | 6.9 | 4.4 | | |
| | | 12500 | | | | | | | | | |
| OVERALL CALCULATED | | 65.8 | 71.1 | 75.1 | 77.0 | 79.6 | 81.4 | 83.3 | 85.5 | 87.3 | 87.6 |
| PNDH | | 70.5 | 78.0 | 83.2 | 86.1 | 89.3 | 90.9 | 93.5 | 94.9 | 95.1 | 94.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 6 | 6114 | 731.5m(2400ft.) | FULL-33m ² (513in ²) |

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | P.L | | |
|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | | 160. | |
| (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |

| NO | EGA | RDG. | NO. | 0. | 80 | 100 | 74.9 | 35.2 | 92.9 | 84.2 | 85.5 | 85.9 | 86.0 | 87.0 | 87.4 | 89.7 | 93.7 | 92.9 | 95.4 |
|-------|----------------|---------------|----------|----|----|-------|------|------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 100 | RADIAL | 40. | FT. | | | 125 | 75.1 | 79.1 | 91.1 | 82.9 | 84.7 | 86.4 | 85.7 | 87.9 | 85.9 | 85.9 | 93.9 | 95.1 | 96.1 |
| 125 | VEHICLE | CELL41 | (12. M) | | | 160 | 75.4 | 78.4 | 91.4 | 81.7 | 82.5 | 82.7 | 83.3 | 85.2 | 86.4 | 91.7 | 94.9 | 95.1 | 98.7 |
| 200 | CONFIG | NC57 | | | | 250 | 78.3 | 78.5 | 90.5 | 82.6 | 82.9 | 84.0 | 84.4 | 87.3 | 89.8 | 93.1 | 97.1 | 101.3 | 102.6 |
| 315 | LOC | C41 ANECH | CH | | | 315 | 78.7 | 80.6 | 92.1 | 82.4 | 83.5 | 85.1 | 87.2 | 89.4 | 90.8 | 95.9 | 101.1 | 103.0 | 104.1 |
| 400 | DATE | 06-10-76 | | | | 400 | 80.9 | 82.7 | 92.2 | 84.5 | 86.3 | 87.2 | 87.3 | 90.2 | 93.4 | 97.5 | 102.0 | 105.4 | 105.9 |
| 500 | RUN | CONFSVLEDPN | | | | 500 | 82.0 | 83.3 | 95.0 | 85.6 | 87.2 | 88.8 | 89.9 | 92.3 | 95.5 | 101.1 | 105.1 | 106.2 | 106.0 |
| 630 | TAPE | X61150 | | | | 630 | 82.6 | 84.6 | 95.6 | 86.7 | 88.5 | 89.6 | 91.3 | 94.2 | 97.1 | 101.5 | 104.4 | 105.6 | 104.6 |
| 800 | BAR | 29.4 HG | | | | 800 | 84.1 | 85.9 | 96.7 | 88.2 | 89.8 | 91.4 | 92.5 | 95.2 | 98.7 | 102.2 | 104.2 | 104.1 | 102.9 |
| 1000 | TAMB | (99178. N/M2) | | | | 1000 | 85.9 | 87.0 | 98.2 | 89.3 | 90.9 | 92.2 | 93.1 | 96.3 | 99.0 | 102.6 | 103.8 | 101.9 | 100.7 |
| 1250 | (286. DEG K) | | | | | 1250 | 85.5 | 87.1 | 99.6 | 89.1 | 90.9 | 92.8 | 93.9 | 96.9 | 100.1 | 102.6 | 102.8 | 102.0 | 100.3 |
| 1600 | TWET | 54. DEG F | | | | 1600 | 85.9 | 88.2 | 98.9 | 90.5 | 92.3 | 93.4 | 94.3 | 97.0 | 100.7 | 103.2 | 103.0 | 101.9 | 100.7 |
| 2000 | (236. DEG K) | | | | | 2000 | 86.4 | 88.0 | 99.5 | 90.9 | 92.4 | 93.7 | 95.6 | 98.0 | 101.0 | 102.8 | 102.7 | 102.2 | 100.0 |
| 2500 | HACT10.49 | GM/M3 | | | | 2500 | 86.3 | 88.6 | 100.3 | 90.9 | 92.4 | 93.8 | 94.9 | 98.4 | 102.1 | 102.7 | 102.9 | 101.8 | 100.8 |
| 3150 | (0.1049 KG/M3) | | | | | 3150 | 87.0 | 88.8 | 100.5 | 91.8 | 93.7 | 93.8 | 96.2 | 99.3 | 102.8 | 103.6 | 103.8 | 102.7 | 101.8 |
| 4000 | FREQ. SHIFT | | | | | 4000 | 86.3 | 88.1 | 100.1 | 91.1 | 92.4 | 94.3 | 96.2 | 99.6 | 102.1 | 103.7 | 103.1 | 102.5 | 101.6 |
| 5000 | JFT | | | | | 5000 | 85.6 | 88.2 | 100.2 | 92.2 | 92.8 | 95.2 | 96.6 | 100.5 | 102.0 | 103.3 | 103.5 | 102.9 | 102.4 |
| 6300 | DIAMETER RATIO | | | | | 6300 | 85.5 | 88.3 | 100.6 | 91.8 | 93.9 | 96.0 | 98.2 | 100.6 | 102.8 | 103.7 | 104.4 | 104.3 | 104.5 |
| 8000 | DF/DM 1 | | | | | 8000 | 85.3 | 88.8 | 100.9 | 92.2 | 94.2 | 95.8 | 98.7 | 100.9 | 102.7 | 104.8 | 104.0 | 105.1 | 105.1 |
| 10000 | | | | | | 10000 | 84.7 | 91.0 | 103.9 | 93.4 | 95.7 | 95.3 | 98.4 | 100.9 | 102.6 | 103.3 | 103.0 | 105.6 | 104.8 |
| 12500 | | | | | | 12500 | 83.3 | 92.1 | 104.2 | 94.0 | 94.3 | 95.1 | 97.5 | 98.6 | 100.7 | 101.9 | 101.8 | 103.6 | 103.4 |
| 16000 | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 6 | 6'15" | 12.2m(40ft.) ARC | MODEL-125cm ² (19.4in ²) |

| FREQ. | FULL SIZE SOUND PRESSURE LEVELS | | | | | SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | INLET IN DEGREES (AND RADIAN) | | | | | 0. 0. 0. 0. 0. | | | | |
|--------------------|---------------------------------|------|------|------|------|---|------|------|------|------|-------------------------------|------|------|------|------|----------------|------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| NO EGA | 50 | 52.4 | 56.7 | 60.3 | 61.8 | 63.6 | 65.6 | 67.3 | 68.1 | 72.0 | 75.7 | 75.4 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| SIDELINE 2400. FT. | 63 | 53.2 | 58.8 | 69.4 | 62.4 | 64.7 | 65.7 | 66.2 | 68.1 | 70.6 | 73.6 | 76.5 | 77.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| (731.52 M) | 80 | 55.4 | 58.7 | 71.8 | 62.9 | 64.6 | 66.1 | 66.9 | 69.4 | 71.8 | 75.6 | 78.9 | 78.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| NFA (1. RPM) | 100 | 56.3 | 59.2 | 72.1 | 63.4 | 65.4 | 67.1 | 68.1 | 70.1 | 72.0 | 77.0 | 79.4 | 78.7 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| (0. RAD/SEC) | 125 | 56.8 | 60.5 | 72.6 | 64.4 | 66.7 | 67.9 | 69.4 | 71.9 | 74.1 | 77.3 | 78.6 | 77.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| NFK (1. RPM) | 160 | 58.1 | 61.6 | 73.5 | 65.3 | 67.8 | 69.6 | 70.6 | 72.8 | 75.5 | 77.9 | 78.2 | 75.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| (0. RAD/SEC) | 200 | 59.0 | 62.5 | 74.9 | 66.7 | 68.8 | 70.3 | 71.0 | 73.7 | 75.7 | 78.1 | 77.6 | 73.3 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| NFD (7500. RPM) | 250 | 59.1 | 62.4 | 76.1 | 68.4 | 68.7 | 70.7 | 71.7 | 74.1 | 76.6 | 77.9 | 76.4 | 73.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| (785. RAD/SEC) | 315 | 59.1 | 63.2 | 75.2 | 67.5 | 69.8 | 71.1 | 71.8 | 74.0 | 76.9 | 78.3 | 76.2 | 72.4 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| AIRFLOW RATIO | 400 | 59.2 | 62.6 | 75.4 | 67.3 | 69.6 | 71.1 | 72.8 | 74.8 | 76.9 | 77.5 | 75.5 | 72.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| WF/M 5.15 | 500 | 58.6 | 62.8 | 75.9 | 67.3 | 69.4 | 70.9 | 71.9 | 74.8 | 77.6 | 77.9 | 75.1 | 71.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| VEHICLE | 630 | 58.6 | 62.5 | 75.7 | 67.8 | 70.2 | 70.5 | 72.7 | 75.3 | 77.9 | 77.3 | 75.5 | 71.2 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| CONFIS | 800 | 57.0 | 61.1 | 74.6 | 66.6 | 68.4 | 70.5 | 72.2 | 75.1 | 76.6 | 76.7 | 73.9 | 69.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| LOC C41 ANECH CH | 1000 | 55.4 | 60.3 | 73.9 | 67.0 | 68.2 | 70.7 | 71.9 | 75.2 | 75.7 | 75.4 | 73.2 | 68.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| DATE 06-16-76 | 1250 | 53.9 | 59.4 | 73.4 | 65.8 | 68.5 | 70.8 | 72.7 | 74.5 | 75.6 | 74.8 | 72.8 | 68.6 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| RUN CONF06VELDEPN | 1600 | 51.9 | 58.5 | 72.5 | 64.9 | 67.7 | 69.5 | 72.2 | 73.7 | 74.2 | 74.4 | 70.6 | 67.0 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| TAPE X61150 | 2000 | 49.3 | 59.0 | 74.0 | 64.8 | 67.9 | 67.8 | 70.7 | 72.3 | 72.7 | 71.2 | 67.5 | 64.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| FAN TIP SPEED | 2500 | 44.9 | 57.6 | 72.2 | 63.5 | 64.7 | 65.8 | 67.9 | 68.2 | 68.7 | 67.4 | 63.4 | 58.8 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| FT/SEC | 3150 | 38.7 | 52.5 | 68.5 | 61.6 | 62.9 | 62.1 | 64.4 | 64.2 | 64.8 | 61.8 | 57.8 | 51.0 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 |
| OVERALL CALCULATED | 4000 | 29.3 | 43.3 | 60.3 | 54.8 | 58.9 | 57.7 | 58.6 | 56.4 | 56.4 | 52.5 | 47.5 | 39.0 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| | 5000 | 22.3 | 38.1 | 54.3 | 49.5 | 53.5 | 53.7 | 53.5 | 52.2 | 52.9 | 46.5 | 42.0 | 28.5 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| | 6300 | 8.7 | 25.9 | 44.6 | 40.5 | 44.4 | 44.5 | 45.6 | 42.8 | 41.1 | 33.8 | 26.2 | 12.4 | | | | | | | |
| | 8000 | | 5.6 | 27.9 | 24.2 | 27.8 | 29.2 | 30.1 | 26.6 | 23.9 | 16.5 | 4.5 | | | | | | | | |
| | 10000 | | | 3.7 | 1.1 | 4.9 | 6.9 | 6.8 | 3.0 | 2.6 | 1.6 | 0.5 | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | | | | |
| PNDB | 69.5 | 73.4 | 86.5 | 78.4 | 80.5 | 82.0 | 83.5 | 85.8 | 87.7 | 88.8 | 88.6 | 86.6 | 82.2 | | | | | | | |
| | 74.1 | 81.1 | 95.5 | 87.2 | 89.6 | 90.3 | 92.4 | 94.0 | 95.2 | 95.2 | 93.0 | 89.5 | 82.5 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION C TEST POINT 6/15 ACoustic RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 26 HR. 22.1
 59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|-------|
| | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | |
| RDG. NO. | 50 | 80.6 | 83.8 | 85.8 | 85.4 | 87.0 | 88.8 | 91.0 | 92.6 | 94.3 | 95.2 | 104.4 | 107.1 | 108.3 | | | | 152.7 |
| | 63 | 82.2 | 86.7 | 95.4 | 87.7 | 90.1 | 91.2 | 91.8 | 94.5 | 96.7 | 101.0 | 106.2 | 109.9 | 110.4 | | | | 154.9 |
| | 80 | 84.2 | 86.2 | 98.2 | 88.5 | 89.9 | 91.2 | 92.1 | 95.5 | 98.7 | 103.8 | 108.5 | 111.2 | 111.0 | | | | 156.4 |
| RADIAL 150. FT. | 100 | 85.0 | 86.0 | 97.8 | 88.8 | 89.9 | 92.0 | 93.7 | 96.1 | 99.6 | 104.9 | 109.6 | 112.3 | 110.8 | | | | 157.1 |
| | 125 | 86.1 | 88.1 | 98.7 | 90.7 | 92.0 | 93.1 | 95.0 | 98.2 | 101.2 | 105.5 | 109.2 | 111.6 | 110.4 | | | | 157.0 |
| VEHICLE CELL41 | 160 | 87.9 | 89.7 | 100.2 | 91.7 | 93.3 | 94.7 | 96.1 | 99.0 | 102.4 | 106.5 | 108.7 | 110.4 | 110.2 | | | | 156.8 |
| CONFIG MCS7 | 200 | 89.5 | 91.0 | 102.3 | 93.0 | 94.1 | 95.2 | 97.1 | 100.0 | 102.6 | 106.3 | 107.5 | 108.5 | 108.7 | | | | 156.2 |
| LOC C41 ANECH CH | 250 | 89.3 | 90.8 | 102.8 | 92.9 | 94.2 | 96.3 | 97.5 | 100.4 | 103.6 | 106.7 | 106.9 | 107.8 | 107.1 | | | | 156.0 |
| DATE 06-16-76 | 315 | 89.4 | 91.7 | 102.5 | 94.0 | 95.6 | 96.9 | 98.1 | 100.5 | 104.7 | 107.3 | 106.5 | 107.2 | 107.2 | | | | 156.2 |
| RUN CONF/VELDEPN | 400 | 90.5 | 91.5 | 103.6 | 94.0 | 95.6 | 97.0 | 99.1 | 101.3 | 105.0 | 106.8 | 106.0 | 107.0 | 106.0 | | | | 156.2 |
| TAPE X61160 | 500 | 90.6 | 92.1 | 103.4 | 94.2 | 96.0 | 97.4 | 99.0 | 101.7 | 105.6 | 106.2 | 105.4 | 106.6 | 105.9 | | | | 156.1 |
| BAR 29.4 HG | 630 | 90.6 | 92.6 | 104.6 | 94.9 | 96.8 | 97.9 | 99.3 | 102.7 | 106.4 | 107.2 | 105.4 | 107.6 | 106.6 | | | | 156.9 |
| (99212. N/M2) | 800 | 90.4 | 91.9 | 103.7 | 94.5 | 96.3 | 97.9 | 99.3 | 103.2 | 106.0 | 106.6 | 105.0 | 107.2 | 105.9 | | | | 156.5 |
| TAMB 57. DEG F | 1000 | 90.3 | 92.1 | 103.9 | 95.4 | 96.7 | 98.3 | 99.7 | 103.4 | 105.4 | 106.5 | 105.4 | 107.3 | 106.8 | | | | 156.7 |
| (287. DEG K) | 1250 | 90.0 | 92.8 | 104.3 | 95.6 | 97.9 | 99.8 | 101.7 | 103.8 | 105.8 | 106.4 | 105.9 | 107.8 | 108.3 | | | | 157.3 |
| TWET 55. DEG F | 1600 | 89.6 | 93.2 | 104.8 | 96.1 | 97.6 | 99.2 | 101.6 | 104.1 | 106.1 | 107.4 | 105.4 | 108.5 | 107.7 | | | | 157.6 |
| (286. DEG K) | 2000 | 89.1 | 96.2 | 107.5 | 97.5 | 98.6 | 98.9 | 101.6 | 104.0 | 106.0 | 106.4 | 105.8 | 108.7 | 108.2 | | | | 158.1 |
| MACT10.60 GM/M3 | 2500 | 87.6 | 96.6 | 108.5 | 97.2 | 98.2 | 99.1 | 101.5 | 102.6 | 104.0 | 104.9 | 104.3 | 107.1 | 106.6 | | | | 157.5 |
| (.01060 KG/M3) | 3150 | 87.0 | 95.3 | 108.2 | 99.4 | 99.7 | 98.5 | 101.9 | 101.9 | 104.7 | 104.2 | 103.6 | 106.1 | 106.0 | | | | 157.5 |
| FFREQ. SHIFT | 4000 | 85.2 | 93.0 | 106.2 | 97.5 | 100.3 | 98.4 | 101.0 | 99.4 | 102.7 | 101.5 | 101.4 | 103.8 | 104.4 | | | | 156.0 |
| JET 7 | 5000 | 83.6 | 91.9 | 103.9 | 95.9 | 98.4 | 97.6 | 97.9 | 98.5 | 101.9 | 99.3 | 100.6 | 100.6 | 102.7 | | | | 154.4 |
| DIAMETER RATIO | 6300 | 83.0 | 91.2 | 104.4 | 96.1 | 98.3 | 97.0 | 99.2 | 98.1 | 99.9 | 98.6 | 98.5 | 101.8 | 101.8 | | | | 154.8 |
| DF/DH 5.15 | 8000 | 80.1 | 84.7 | 102.9 | 94.2 | 96.0 | 95.5 | 96.7 | 95.6 | 98.4 | 97.9 | 97.1 | 100.0 | 100.3 | | | | 153.9 |
| | 10000 | 75.8 | 85.5 | 100.3 | 91.0 | 91.1 | 91.4 | 92.2 | 92.7 | 94.8 | 94.9 | 95.2 | 95.9 | 96.2 | | | | 151.9 |
| | 12500 | 73.2 | 83.0 | 99.0 | 88.3 | 88.3 | 89.0 | 88.6 | 90.6 | 93.2 | 93.6 | 93.4 | 92.8 | 94.3 | | | | 151.8 |
| | 16000 | 73.2 | 84.6 | 101.4 | 88.7 | 88.4 | 89.7 | 90.7 | 90.9 | 94.1 | 96.7 | 95.7 | 94.8 | 96.5 | | | | 156.7 |
| OVERALL CALCULATED | | 101.7 | 105.8 | 117.3 | 108.6 | 110.1 | 110.7 | 112.6 | 114.6 | 117.3 | 118.9 | 119.6 | 121.8 | 121.4 | | | | 170.3 |
| PND | | 112.8 | 119.0 | 131.3 | 122.3 | 123.7 | 123.3 | 125.7 | 126.7 | 129.4 | 129.9 | 129.8 | 132.0 | 131.8 | | | | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | | |
|---------------|------------|-------------------|---|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
| 6 | 6116 | 45.7m(150ft.) ARC | FULL-33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 26 HR. 22.1

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|-------|--|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | FULL SIZE SOUND PRESSURE | | | | | | | | | | | | | |
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70)(0.37)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0.) | | | | | | | | | | | | | |
| VO EGA | 50 | 52.4 | 57.2 | 70.3 | 60.6 | 62.5 | 64.6 | 66.6 | 67.8 | 68.8 | 72.5 | 76.2 | 78.6 | 74.4 | |
| SIDELINE 2400. FT. | 63 | 53.9 | 60.0 | 69.9 | 62.9 | 65.7 | 66.9 | 67.4 | 69.6 | 71.1 | 74.3 | 78.0 | 79.4 | 76.4 | |
| (731.52 M) | 80 | 55.9 | 59.5 | 72.6 | 63.6 | 65.4 | 66.9 | 67.0 | 70.6 | 73.1 | 77.1 | 80.2 | 80.5 | 76.8 | |
| NFA (1. RPM | 100 | 56.6 | 59.2 | 72.1 | 63.9 | 65.4 | 67.6 | 69.1 | 71.1 | 73.8 | 78.0 | 81.1 | 81.5 | 76.4 | |
| (0. RAD/SEC) | 125 | 57.6 | 61.2 | 72.9 | 65.6 | 67.4 | 68.7 | 70.4 | 73.1 | 75.4 | 78.5 | 80.6 | 80.7 | 75.8 | |
| NFK (1. RPM | 160 | 59.1 | 62.6 | 74.2 | 66.5 | 68.6 | 70.1 | 71.3 | 73.8 | 76.5 | 79.4 | 80.0 | 79.2 | 75.2 | |
| (0. RAD/SEC) | 200 | 60.5 | 63.7 | 76.2 | 67.7 | 69.3 | 70.5 | 72.3 | 74.7 | 76.7 | 79.1 | 78.6 | 77.0 | 73.4 | |
| NFD (7500. RPM | 250 | 60.1 | 63.4 | 76.0 | 67.4 | 69.2 | 71.4 | 72.4 | 74.9 | 77.3 | 79.2 | 77.7 | 76.0 | 71.2 | |
| (785. RAD/SEC) | 315 | 59.9 | 63.9 | 75.9 | 68.3 | 70.3 | 71.8 | 72.8 | 74.8 | 78.2 | 79.5 | 76.9 | 74.9 | 70.7 | |
| AIRFLOW RATIO | 400 | 60.5 | 63.4 | 76.9 | 68.0 | 70.1 | 71.6 | 73.6 | 75.3 | 78.2 | 78.7 | 76.0 | 74.2 | 68.6 | |
| WF/W 5.15 | 500 | 60.1 | 63.6 | 76.1 | 67.8 | 70.1 | 71.7 | 73.1 | 75.3 | 78.4 | 77.7 | 74.9 | 73.1 | 67.5 | |
| VEHICLE CELL41 | 630 | 59.6 | 63.5 | 76.9 | 68.1 | 70.4 | 71.7 | 72.9 | 75.8 | 78.7 | 78.1 | 74.2 | 73.2 | 66.9 | |
| CONFIG NC57 | 800 | 58.3 | 62.1 | 75.3 | 67.1 | 69.4 | 71.2 | 72.4 | 75.8 | 78.6 | 76.7 | 72.9 | 71.6 | 64.5 | |
| LOC C41 ANECHO CH | 1250 | 55.4 | 60.9 | 74.1 | 66.5 | 69.5 | 71.5 | 73.2 | 74.8 | 75.6 | 74.5 | 71.3 | 69.1 | 63.4 | |
| DATE 06-16-76 | 1600 | 53.2 | 59.7 | 73.2 | 65.7 | 67.9 | 69.8 | 71.9 | 73.7 | 74.5 | 73.9 | 68.9 | 67.3 | 57.9 | |
| RUN CONF6VLECPN | 2000 | 50.3 | 60.7 | 74.2 | 65.6 | 67.4 | 68.0 | 70.4 | 72.1 | 72.7 | 71.0 | 64.5 | 53.9 | | |
| TAPE X61160 | 2500 | 45.4 | 58.3 | 72.7 | 63.2 | 64.9 | 66.1 | 68.2 | 68.4 | 68.2 | 66.7 | 62.1 | 58.5 | 45.9 | |
| FAN TIP SPEED | 3150 | 39.4 | 52.5 | 68.5 | 61.6 | 62.9 | 62.1 | 65.2 | 64.2 | 65.0 | 61.5 | 56.0 | 50.5 | 35.0 | |
| FT/SEC | 4000 | 29.6 | 43.6 | 60.6 | 54.3 | 58.4 | 56.9 | 59.1 | 56.2 | 57.1 | 52.0 | 45.7 | 37.7 | 17.9 | |
| | 5000 | 23.3 | 38.6 | 54.8 | 49.5 | 53.5 | 53.2 | 53.0 | 52.2 | 52.9 | 46.0 | 40.3 | 28.5 | 7.2 | |
| | 6300 | 9.0 | 26.4 | 45.3 | 40.5 | 44.7 | 44.0 | 45.6 | 42.5 | 40.8 | 33.8 | 24.4 | 11.9 | | |
| | 8000 | | 6.4 | 28.4 | 24.4 | 28.8 | 29.2 | 29.6 | 25.9 | 23.9 | 15.5 | 2.0 | | | |
| | 10000 | | | 4.3 | 1.6 | 5.2 | 6.7 | 6.3 | 3.2 | | | | | | |
| | 12500 | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **6** TEST POINT **6/116** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **FULL-.33m²(513in²)** SIZE

PROC. DATE - MONTH 8 DAY 26 HR. 22.0
F, 70 PERCENT REL. HUM. DAY - JENOTS)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|--|
| 6 | 617 | 12.2m(40ft.) ARC | MODEL-125cm ² (19.4in ²). |

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | PROC. DATE - MONTH 8 DAY 26 HR. 22.1 | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | | |
|---------------|------------|-------------------|---|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
| 6 | 6117 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 26 HR. 22.1

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 123. | 130. | 140. | 150. | 160. | |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | |
| | | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | |
| NO EGA | | 50 | 53.4 | 58.7 | 61.6 | 64.3 | 65.8 | 68.3 | 69.6 | 70.6 | 72.6 | 74.0 | 79.2 | 79.1 | |
| SIDELINE 2400. FT. | | 63 | 55.4 | 61.5 | 71.1 | 64.6 | 67.2 | 68.2 | 68.9 | 70.6 | 72.6 | 74.3 | 80.2 | 81.9 | |
| (731.52 M) | | 80 | 57.6 | 61.0 | 73.8 | 64.6 | 66.6 | 68.1 | 69.1 | 71.6 | 74.1 | 78.6 | 82.7 | 82.8 | |
| NFA | | 100 | 58.3 | 60.7 | 73.3 | 64.9 | 66.9 | 69.4 | 69.7 | 72.1 | 74.8 | 80.0 | 83.9 | 84.2 | |
| (1. RPM) | | 125 | 59.1 | 62.5 | 74.6 | 66.6 | 68.4 | 70.2 | 71.7 | 73.9 | 76.1 | 80.5 | 84.1 | 84.7 | |
| NFK (0. RAD/SEC) | | 160 | 60.9 | 64.1 | 75.5 | 65.0 | 69.6 | 71.1 | 73.1 | 75.0 | 77.7 | 81.7 | 84.2 | 84.2 | |
| (1. RPM) | | 200 | 64.0 | 66.2 | 78.9 | 69.7 | 70.8 | 72.3 | 73.3 | 75.7 | 77.9 | 81.3 | 82.6 | 83.0 | |
| NFD (0. RAD/SEC) | | 250 | 62.3 | 66.1 | 78.6 | 69.1 | 71.2 | 72.7 | 73.9 | 76.6 | 78.8 | 81.2 | 81.7 | 83.0 | |
| (7500. RPM) | | 315 | 62.4 | 66.2 | 77.4 | 69.5 | 71.6 | 73.3 | 74.1 | 76.0 | 78.9 | 81.5 | 80.4 | 77.2 | |
| (785. RAD/SEC) | | 400 | 62.7 | 65.6 | 78.7 | 69.5 | 71.8 | 72.6 | 74.6 | 77.0 | 78.7 | 80.2 | 79.3 | 79.9 | |
| AIRFLOW RATIO | | 500 | 62.6 | 66.1 | 78.6 | 69.5 | 71.8 | 73.2 | 73.9 | 76.8 | 79.4 | 78.9 | 78.4 | 77.9 | |
| WF/M 5.15 | | 630 | 63.1 | 66.0 | 78.7 | 70.3 | 72.2 | 72.7 | 74.4 | 77.1 | 79.4 | 78.8 | 77.7 | 77.2 | |
| VEHICLE | | 800 | 61.3 | 65.1 | 77.3 | 69.1 | 70.7 | 72.2 | 73.4 | 76.8 | 77.8 | 77.9 | 75.9 | 74.6 | |
| CELL 41 | | 1000 | 60.1 | 64.1 | 76.7 | 69.2 | 70.2 | 72.0 | 73.4 | 76.5 | 76.9 | 75.0 | 72.6 | 64.9 | |
| CONFIG NC57 | | 1250 | 58.2 | 63.9 | 76.4 | 67.5 | 70.2 | 72.0 | 73.7 | 74.8 | 76.1 | 75.3 | 73.3 | 71.3 | |
| LOC C41 ANECH CH | | 1600 | 55.4 | 61.7 | 75.2 | 66.9 | 69.2 | 70.5 | 72.9 | 74.4 | 74.5 | 74.7 | 70.9 | 68.8 | |
| DATE 06-16-76 | | 2000 | 51.8 | 61.2 | 74.7 | 66.8 | 68.9 | 69.3 | 70.9 | 72.8 | 73.0 | 71.2 | 68.5 | 58.2 | |
| RUN CONF6VELDEPN | | 2500 | 47.7 | 57.6 | 72.5 | 64.8 | 66.2 | 66.8 | 68.2 | 68.7 | 69.5 | 67.4 | 64.4 | 60.3 | |
| TAPE X61170 | | 3150 | 41.4 | 52.5 | 68.0 | 61.6 | 64.2 | 63.9 | 65.2 | 64.4 | 65.0 | 62.0 | 57.8 | 52.8 | |
| FAN TIP SPEED | | 4000 | 31.6 | 43.6 | 60.6 | 54.3 | 59.4 | 58.7 | 59.6 | 56.9 | 56.9 | 52.5 | 47.5 | 39.5 | |
| FT/SEC | | 5000 | 25.8 | 38.6 | 55.3 | 50.0 | 54.5 | 54.2 | 54.2 | 52.7 | 52.9 | 46.7 | 42.5 | 30.0 | |
| | | 6300 | 11.5 | 26.6 | 45.6 | 41.5 | 45.4 | 45.2 | 46.3 | 43.0 | 41.1 | 34.5 | 26.7 | 14.1 | |
| | | 8000 | 6.4 | 29.2 | 25.7 | 29.8 | 30.2 | 30.8 | 27.4 | 23.9 | 16.0 | 4.5 | | | |
| | | 10000 | | 4.8 | 3.1 | 6.5 | 7.9 | 7.8 | | | | | | | |
| | | 12500 | | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 72.8 | 76.5 | 89.0 | 80.6 | 82.5 | 83.8 | 85.2 | 87.5 | 89.4 | 91.4 | 92.8 | 93.2 | 88.8 | |
| PNDB | | 77.8 | 83.4 | 97.0 | 88.9 | 91.1 | 91.9 | 93.4 | 95.1 | 96.2 | 96.6 | 96.1 | 96.0 | 90.3 | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIDELINE | SIZE |
|---------------|------------|-----------------|--|------|
| 6 | 6 117 | 731.5m(2400ft.) | FULL-.33m ² (513in ²) | |

PROC. DATE - MONTH 8 DAY 30 HR. 15.6
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| | | | | | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| RDG. NO. 0. | | | | | | | | | | | | | | |
| RADIO 40. FT. | | | | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | | |
| CONFIG NC60 | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | |
| DATE 06-21-76 | | | | | | | | | | | | | | |
| RUN CONF6ZEROFW | | | | | | | | | | | | | | |
| TAPE X61500 | | | | | | | | | | | | | | |
| BAR 29.4 HG | | | | | | | | | | | | | | |
| (99313. N/M2) | | | | | | | | | | | | | | |
| TAMB 67. DEG F | | | | | | | | | | | | | | |
| (293. DEG K) | | | | | | | | | | | | | | |
| TWET 62. DEG F | | | | | | | | | | | | | | |
| (290. DEG K) | | | | | | | | | | | | | | |
| HACT12.85 GM/M3 | | | | | | | | | | | | | | |
| (0.01285 KG/M3) | | | | | | | | | | | | | | |
| FREQ. SHIFT | | | | | | | | | | | | | | |
| JET | | | | | | | | | | | | | | |
| DIAMETER RATIO | | | | | | | | | | | | | | |
| DF/DM 1 | | | | | | | | | | | | | | |
| OVERALL MEASURED | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | |
| PNDB | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION TEST POINT ACOUSTIC RANGE SIZE
 12.2m(40ft.) ARC MODEL-5L 7cm²(8.0in²)

6 6150

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY - JENVOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 6 | 6150 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 30 HR. 16:3

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|--|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | FULL SIZE SOUND PRESSURE | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 6 | 6151 | 12.2m(40ft.) ARC | MODEL-5L 7cm ² (8.0in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| PROC. DATE - MONTH 8 DAY 30 HR. 16.3 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| NO EGA | 51 | 63 | 81 | 103 | 125 | 150 | 176 | 203 | 230 |
| RDG. NO. | 51 | 63 | 81 | 103 | 125 | 150 | 176 | 203 | 230 |
| RADIAL 150. FT. | 96.0 | 88.1 | 89.9 | 91.4 | 92.5 | 94.4 | 95.3 | 97.6 | 103.6 |
| (46. M) | 96.6 | 88.4 | 89.9 | 91.4 | 92.5 | 94.4 | 95.3 | 97.6 | 103.6 |
| VEHICLE CELL41 | 98.5 | 90.7 | 91.8 | 92.5 | 94.4 | 95.3 | 97.6 | 103.6 | 110.5 |
| CONF. NC60 | 100.7 | 91.8 | 92.5 | 94.4 | 95.3 | 97.6 | 103.6 | 110.5 | 117.4 |
| LJC C41 ANECH CH | 125 | 105.3 | 96.6 | 98.1 | 99.0 | 99.3 | 100.7 | 102.3 | 104.7 |
| DATE 00-21-76 | 160 | 103.4 | 96.7 | 97.4 | 98.5 | 99.1 | 100.5 | 102.6 | 104.8 |
| RUN CONF6ZEROFLW | 200 | 103.0 | 94.8 | 95.3 | 96.6 | 97.6 | 99.2 | 100.1 | 102.0 |
| TAPE X61510 | 315 | 102.5 | 94.7 | 96.3 | 98.0 | 99.6 | 100.2 | 102.4 | 104.8 |
| BAR 29.4 HG | 400 | 102.7 | 95.3 | 97.3 | 98.8 | 100.1 | 100.8 | 102.6 | 105.8 |
| (99381. N/M2) | 500 | 102.0 | 94.8 | 97.4 | 99.4 | 100.7 | 101.3 | 102.7 | 105.4 |
| TAMB 67. DEG F | 630 | 102.5 | 95.8 | 98.3 | 100.3 | 101.5 | 102.1 | 105.6 | 109.0 |
| (293. DEG K) | 800 | 101.4 | 94.2 | 96.8 | 99.0 | 101.1 | 102.7 | 103.8 | 105.5 |
| TWET 61. DEG F | 1000 | 102.4 | 95.0 | 97.3 | 99.8 | 101.4 | 103.2 | 104.1 | 106.0 |
| (289. DEG K) | 1250 | 101.6 | 96.9 | 98.5 | 100.5 | 102.1 | 102.4 | 104.3 | 106.0 |
| HACT11-94 GM/M3 | 1600 | 100.6 | 96.4 | 98.5 | 100.5 | 102.0 | 102.4 | 104.3 | 106.0 |
| (.01194 KG/M3) | 2000 | 100.4 | 96.7 | 98.1 | 100.8 | 102.6 | 102.4 | 104.3 | 106.0 |
| FREQ. SHIFT | 3150 | 98.9 | 94.5 | 97.0 | 99.6 | 102.2 | 101.2 | 104.4 | 103.7 |
| JET 9 | 4000 | 98.6 | 94.0 | 96.2 | 98.9 | 100.4 | 99.6 | 101.5 | 100.9 |
| DIAMETER RATIO | 5000 | 97.4 | 92.0 | 95.7 | 98.0 | 97.8 | 98.3 | 99.8 | 99.2 |
| DE/FDM 8.00 | 6300 | 95.5 | 90.0 | 93.8 | 95.1 | 94.9 | 95.5 | 95.7 | 96.0 |
| OVERALL CALCULATED | 8000 | 95.5 | 88.6 | 93.6 | 94.2 | 93.7 | 94.6 | 93.9 | 96.0 |
| * | 10000 | 100.4 | 93.2 | 99.2 | 97.5 | 96.1 | 97.8 | 98.2 | 98.4 |
| | 12500 | 115.0 | 108.3 | 110.4 | 112.0 | 113.3 | 113.9 | 115.5 | 117.2 |
| | 15000 | 125.7 | 120.1 | 122.2 | 124.2 | 125.7 | 125.7 | 127.8 | 128.4 |
| | 17500 | 132.6 | 133.0 | 138.7 | 137.2 | 132.6 | 132.6 | 132.6 | 132.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 6 | 6/51 | 45.7m(150ft.) ARC | FULL-33m ² (513in ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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| FREQ. | 40. | | | | | 50. | | | | | 60. | | | | | 70. | | | | | 80. | | | | | 90. | | | | | 100. | | | | | 110. | | | | | 120. | | | | | 130. | | | | | 140. | | | | | 150. | | | | | 160. | | | | | 170. | | | | | 180. | | | | | 190. | | | | | 200. | | | | | 210. | | | | | 220. | | | | | 230. | | | | | 240. | | | | | 250. | | | | | 260. | | | | | 270. | | | | | 280. | | | | | 290. | | | | | 300. | | | | | 310. | | | | | 320. | | | | | 330. | | | | | 340. | | | | | 350. | | | | | 360. | | | | | 370. | | | | | 380. | | | | | 390. | | | | | 400. | | | | | 410. | | | | | 420. | | | | | 430. | | | | | 440. | | | | | 450. | | | | | 460. | | | | | 470. | | | | | 480. | | | | | 490. | | | | | 500. | | | | | 510. | | | | | 520. | | | | | 530. | | | | | 540. | | | | | 550. | | | | | 560. | | | | | 570. | | | | | 580. | | | | | 590. | | | | | 600. | | | | | 610. | | | | | 620. | | | | | 630. | | | | | 640. | | | | | 650. | | | | | 660. | | | | | 670. | | | | | 680. | | | | | 690. | | | | | 700. | | | | | 710. | | | | | 720. | | | | | 730. | | | | | 740. | | | | | 750. | | | | | 760. | | | | | 770. | | | | | 780. | | | | | 790. | | | | | 800. | | | | | 810. | | | | | 820. | | | | | 830. | | | | | 840. | | | | | 850. | | | | | 860. | | | | | 870. | | | | | 880. | | | | | 890. | | | | | 900. | | | | | 910. | | | | | 920. | | | | | 930. | | | | | 940. | | | | | 950. | | | | | 960. | | | | | 970. | | | | | 980. | | | | | 990. | | | | | 1000. | | | | | 1010. | | | | | 1020. | | | | | 1030. | | | | | 1040. | | | | | 1050. | | | | | 1060. | | | | | 1070. | | | | | 1080. | | | | | 1090. | | | | | 1100. | | | | | 1110. | | | | | 1120. | | | | | 1130. | | | | | 1140. | | | | | 1150. | | | | | 1160. | | | | | 1170. | | | | | 1180. | | | | | 1190. | | | | | 1200. | | | | | 1210. | | | | | 1220. | | | | | 1230. | | | | | 1240. | | | | | 1250. | | | | | 1260. | | | | | 1270. | | | | | 1280. | | | | | 1290. | | | | | 1300. | | | | | 1310. | | | | | 1320. | | | | | 1330. | | | | | 1340. | | | | | 1350. | | | | | 1360. | | | | | 1370. | | | | | 1380. | | | | | 1390. | | | | | 1400. | | | | | 1410. | | | | | 1420. | | | | | 1430. | | | | | 1440. | | | | | 1450. | | | | | 1460. | | | | | 1470. | | | | | 1480. | | | | | 1490. | | | | | 1500. | | | | | 1510. | | | | | 1520. | | | | | 1530. | | | | | 1540. | | | | | 1550. | | | | | 1560. | | | | | 1570. | | | | | 1580. | | | | | 1590. | | | | | 1600. | | | | | 1610. | | | | | 1620. | | | | | 1630. | | | | | 1640. | | | | | 1650. | | | | | 1660. | | | | | 1670. | | | | | 1680. | | | | | 1690. | | | | | 1700. | | | | | 1710. | | | | | 1720. | | | | | 1730. | | | | | 1740. | | | | | 1750. | | | | | 1760. | | | | | 1770. | | | | | 1780. | | | | | 1790. | | | | | 1800. | | | | | 1810. | | | | | 1820. | | | | | 1830. | | | | | 1840. | | | | | 1850. | | | | | 1860. | | | | | 1870. | | | | | 1880. | | | | | 1890. | | | | | 1900. | | | | | 1910. | | | | | 1920. | | | | | 1930. | | | | | 1940. | | | | | 1950. | | | | | 1960. | | | | | 1970. | | | | | 1980. | | | | | 1990. | | | | | 2000. | | | | | 2010. | | | | | 2020. | | | | | 2030. | | | | | 2040. | | | | | 2050. | | | | | 2060. | | | | | 2070. | | | | | 2080. | | | | | 2090. | | | | | 2100. | | | | | 2110. | | | | | 2120. | | | | | 2130. | | | | | 2140. | | | | | 2150. | | | | | 2160. | | | | | 2170. | | | | | 2180. | | | | | 2190. | | | | | 2200. | | | | | 2210. | | | | | 2220. | | | | | 2230. | | | | | 2240. | | | | | 2250. | | | | | 2260. | | | | | 2270. | | | | | 2280. | | | | | 2290. | | | | | 2300. | | | | | 2310. | | | | | 2320. | | | | | 2330. | | | | | 2340. | | | | | 2350. | | | | | 2360. | | | | | 2370. | | | | | 2380. | | | | | 2390. | | | | | 2400. | | | | | 2410. | | | | | 2420. | | | | | 2430. | | | | | 2440. | | | | | 2450. | | | | | 2460. | | | | | 2470. | | | | | 2480. | | | | | 2490. | | | | | 2500. | | | | | 2510. | | | | | 2520. | | | | | 2530. | | | | | 2540. | | | | | 2550. | | | | | 2560. | | | | | 2570. | | | | | 2580. | | | | | 2590. | | | | | 2600. | | | | | 2610. | | | | | 2620. | | | | | 2630. | | | | | 2640. | | | | | 2650. | | | | | 2660. | | | | | 2670. | | | | | 2680. | | | | | 2690. | | | | | 2700. | | | | | 2710. | | | | | 2720. | | | | | 2730. | | | | | 2740. | | | | | 2750. | | | | | 2760. | | | | | 2770. | | | | | 2780. | | | | | 2790. | | | | | 2800. | | | | | 2810. | | | | | 2820. | | | | | 2830. | | | | | 2840. | | | | | 2850. | | | | | 2860. | | | | | 2870. | | | | | 2880. | | | | | 2890. | | | | | 2900. | | | | | 2910. | | | | | 2920. | | | | | 2930. | | | | | 2940. | | | | | 2950. | | | | | 2960. | | | | | 2970. | | | | | 2980. | | | | | 2990. | | | | | 3000. | | | | | 3010. | | | | | 3020. | | | | | 3030. | | | | | 3040. | | | | | 3050. | | | | | 3060. | | | | | 3070. | | | | | 3080. | | | | | 3090. | | | | | 3100. | | | | | 3110. | | | | | 3120. | | | | | 3130. | | | | | 3140. | | | | | 3150. | | | | | 3160. | | | | | 3170. | | | | | 3180. | | | | | 3190. | | | | | 3200. | | | | | 3210. | | | | | 3220. | | | | | 3230. | | | | | 3240. | | | | | 3250. | | | | | 3260. | | | | | 3270. | | | | | 3280. | | | | | 3290. | | | | | 3300. | | | | | 3310. | | | | | 3320. | | | | | 3330. | | | | | 3340. | | | | | 3350. | | | | | 3360. | | | | | 3370. | | | | | 3380. | | | | | 3390. | | | | | 3400. | | | | | 3410. | | | | | 3420. | | | | | 3430. | | | | | 3440. | | | | | 3450. | | | | | 3460. | | | | | 3470. | | | | | 3480. | | | | | 3490. | | | | | 3500. | | | | | 3510. | | | | | 3520. | | | | | 3530. | | | | | 3540. | | | | | 3550. | | | | | 3560. | | | | | 3570. | | | | | 3580. | | | | | 3590. | | | | | 3600. | | | | | 3610. | | | | | 3620. | | | | | 3630. | | | | | 3640. | | | | | 3650. | | | | | 3660. | | | | | 3670. | | | | | 3680. | | | | | 3690. | | | | | 3700. | | | | | 3710. | | | | | 3720. | | | | | 3730. | | | | | 3740. | | | | | 3750. | | | | | 3760. | | | | | 3770. | | | | | 3780. | | | | | 3790. | | | | | 3800. | | | | | 3810. | | | | | 3820. | | | | | 3830. | | | | | 3840. | | | | | 3850. | | | | | 3860. | | | | | 3870. | | | | | 3880. | | | | | 3890. | | | | | 3900. | | | | | 3910. | | | | | 3920. | | | | | 3930. | | | | | 3940. | | | | | 3950. | | | | | 3960. | | | | | 3970. | | | | | 3980. | | | | | 3990. | | | | | 4000. | | | | | 4010. | | | | | 4020. | | | | | 4030. | | | | | 4040. | | | | | 4050. | | | | | 4060. | | | | | 4070. | | | | | 4080. | | | | | 4090. | | | | | 4100. | | | | | 4110. | | | | | 4120. | | | | | 4130. | | | | | 4140. | | | | | 4150. | | | | | 4160. | | | | | 4170. | | | | | 4180. | | | | | 4190. | | | | | 4200. | | | | | 4210. | | | | | 4220. | | | | | 4230. | | | | | 4240. | | | | | 4250. | | | | | 4260. | | | | | 4270. | | | | | 4280. | | | | | 4290. | | | | | 4300. | | | | | 4310. | | | | | 4320. | | | | | 4330. | | | | | 4340. | | | | | 4350. | | | | | 4360. | | | | | 4370. | | | | | 4380. | | | | | 4390. | | | | | 4400. | | | | | 4410. | | | | | 4420. | | | | | 4430. | | | | | 4440. | | | | | 4450. | | | | | 4460. | | | | | 4470. | | | | | 4480. | | | | | 4490. | | | | | 4500. | | | | | 4510. | | | | | 4520. | | | | | 4530. | | | | | 4540. | | | | | 4550. | | | | | 4560. | | | | | 4570. | | | | | 4580. | | | | | 4590. | | | | | 4600. | | | | | 4610. | | | | | 4620. | | | | | 4630. | | | | | 4640. | | | | | 4650. | | | | | 4660. | | | | | 4670. | | | | | 4680. | | | | | 4690. | | | | | 4700. | | | | | 4710. | | | | | 4720. | | | | | 4730. | | | | | 4740. | | | | | 4750. | | | | | 4760. | | | | | 4770. | | | | | 4780. | | | | | 4790. | | | | | 4800. | | | | | 4810. | | | | | 4820. | | | | | 4830. | | | | | 4840. | | | | | 4850. | | | | | 4860. | | | | | 4870. | | | | | 4880. | | | | | 4890. | | | | | 4900. | | | | | 4910. | | | | | 4920. | | | | | 4930. | | | | | 4940. | | | | | 4950. | | | | | 4960. | | | | | 4970. | | | | | 4980. | | | | | 4990. | | | | | 5000. | | | | | 5010. | | | | | 5020. | | | | | 5030. | | | | | 5040. | | | | | 5050. | | | | | 5060. | | | | | 5070. | | | | | 5080. | | | | | 5090. | | | | | 5100. | | | | | 5110. | | | | | 5120. | | | | | 5130. | | | | | 5140. | | | | | 5150. | | | | | 5160. | | | | | 5170. | | | | | 5180. | | | | | 5190. | | | | | 5200. | | | | | 5210. | | | | | 5220. | | | | | 5230. | | | | | 5240. | | | | | 5250. | | | | | 5260. | | | | | 5270. | | | | | 5280. | | | | | 5290. | | | | | 5300. | | | | | 5310. | | | | | 5320. | | | | | 5330. | | | | | 5340. | | | | | 5350. | | | | | 5360. | | | | | 5370. | | | | | 5380. | | | | | 5390. | | | | | 5400. | | | | | 5410. | | | | | 5420. | | | | | 5430. | | | | | 5440. | | | | | 5450. | | | | | 5460. | | | | | 5470. | | | | | 5480. | | | | | 5490. | | | | | 5500. | | | | | 5510. | | | | | 5520. | | | | | 5530. | | | | | 5540. | | | | | 5550. | | | | | 5560. | | | | | 5570. | | | | | 5580. | | | | | 5590. | | | | | 5600. | | | | | 5610. | | | | | 5620. | | | | | 5630. | | | | | 5640. | | | | | 5650. | | | | | 5660. | | | | | 5670. | | | | | 5680. | | | | | 5690. | | | | | 5700. | | | | | 5710. | | | | | 5720. | | | | | 5730. | | | | | 5740. | | | | | 5750. | | | | | 5760. | | | | | 5770. | | | | | 5780. | | | | | 5790. | | | | | 5800. | | | | | 5810. | | | | | 5820. | | | | | 5830. | | | | | 5840. | | | | | 5850. | | | | | 5860. | | | | | 5870. | | | | | 5880. | | | | | 5890. | | | | | 5900. | | | | | 5910. | | | | | 5920. | | | | | 5930. | | | | | 5940. | | | | | 5950. | | | | | 5960. | | | | | 5970. | | | | | 5980. | | | | | 5990. | | | | | 6000. | | | | | 6010. | | | | | 6020. | | | | | 6030. | | | | | 6040. | | | | | 6050. | | | | | 6060. | | | | | 6070. | | | | | 6080. | | | | | 6090. | | | | | 6100. | | | | | 6110. | | | | | 6120. | | | | | 6130. | | | | | 6140. | | | | | 6150. | | | | | 6160. | | | | | 6170. | | | | | 6180. | | | | | 6190. | | | | | 6200. | | | | | 6210. | | | | | 6220. | | | | | 6230. | | | | | 6240. | | | | | 6250. | | | | | 6260. | | | | | 6270. | | | | | 6280. | | | | | 6290. | | | | | 6300. | | | | | 6310. | | | | | 6320. | | | | | 6330. | | | | | 6340. | | | | | 6350. | | | | | 6360. | | | | | 6370. | | | | | 6380. | | | | | 6390. | | | | | 6400. | | | | | 6410. | | | | | 6420. | | | | | 6430. | | | | | 6440. | | | | | 6450. | | | | | 6460. | | | | | 6470. | | | | | 6480. | | | | | 6490. | | | | | 6500. | | | | | 6510. | | | | | 6520. | | | | | 6530. | | | | | 6540. | | | | | 6550. | | | | | 6560. | | | | | 6570. | | | | | 6580. | | | | | 6590. | | | | | 6600. | | | | | 6610. | | | | | 6620. | | | | | 6630. | | | | | 6640. | | | | | 6650. | | | | | 6660. | | | | | 6670. | | | | | 6680. | | | | | 6690. | | | | | 6700. | | | | | 6710. | | | | | 6720. | | | | | 6730. | | | | | 6740. | | | | | 6750. | | | | | 6760. | | | | | 6770. | | | | | 6780. | | | | | 6790. | | | | | 6800. | | | | | 6810. | | | | | 6820. | | | | | 6830. | | | | | 6840. | | | | | 6850. | | | | | 6860. | | | | | 6870. | | | | | 6880. | | | | | 6890. | | | | | 6900. | | | | | 6910. | | | | | 6920. | | | | | 6930. | | | | | 6940. | | | | | 6950. | | | | | 6960. | | | | | 6970. | | | | | 6980. | | | | | 6990. | | | | | 7000. | | | | | 7010. | | | | | 7020. | | | | | 7030. | | | | | 7040. | | | | | 7050. | | | | | 7060. | | | | | 7070. | | | | | 7080. | | | | | 7090. | | | | | 7100. | | | | | 7110. | | | | | 7120. | | | | | 7130. | | | | | 7140. | | | | | 7150. | | | | | 7160. | | | | | 7170. | | | | | 7180. | | | | | 7190. | | | | | 7200. | | | | | 7210. | | | | | 7220. | | | | | 7230. | | | | | 7240. | | | | | 7250. | | | | | 7260. | | | | | 7270. | | | | | 7280. | | | | | 7290. | | | | | 7300. | | | | | 7310. | | | | | 7320. | | | | | 7330. | | | | | 7340. | | | | | 7350. | | | | | 7360. | | | | | 7370. | | | | | 7380. | | | | | 7390. | | | | | 7400. | | | | | 7410. | | | | | 7420. | | | | | 7430. | | | | | 7440. | | | | | 7450. | | | | | 7460. | | | | | 7470. | | | | | 7480. | | | | | 7490. | | | | | 7500. | | | | | 7510. | | | | | 7520. | | | | | 7530. | | | | | 7540. | | | | | 7550. | | | | | 7560. | | | | | 7570. | | | | | 7580. | | | | | 7590. | | | | | 7600. | | | | | 7610. | | | | | 7620. | | | | | 7630. | | | | | 7640. | | | | | 7650. | | | | | 7660. | | | | | 7670. | | | | | 7680. | | | | | 7690. | | | | | 7700. | | | | | 7710. | | | | | 7720. | | | | | 7730. | | | | | 7740. | | | | | 7750. | | | | | 7760. | | | | | 7770. | | | | | 7780. | | | | | 7790. | | | | | 7800. | | | | | 7810. | | | | | 7820. | | | | | 7830. | | | | | 7840. | | | | | 7850. | | | | | 7860. | | | | | 7870. | | | | | 7880. | | | | | 7890. | | | | | 7900. | | | | | 7910. | | | | | 7920. | | | | | 7930. | | | | | 7940. | | | | | 7950. | | | | | 7960. | | | | | 7970. | | | | | 7980. | | | | | 7990. | | | | | 8000. | | | | | 8010. | | | | | 8020. | | | | | 8030. | | | | | 8040. | | | | | 8050. | | | | | 8060. | | | | | 8070. | | | | | 8080. | | | | | 8090. | | | | | 8100. | | | | | 8110. | | | | | 8120. | | | | | 8130. | | | | | 8140. | | | | | 8150. | | | | | 8160. | | | | | 8170. | | | | | 8180. | | | | | 8190. | | | | | 8200. | | | | | 8210. | | | | | 8220. | | | | | 8230. | | | | | 8240. | | | | | 8250. | | | | | 8260. | | | | | 8270. | | | | | 8280. | | | | | 8290. | | | | | 8300. | | | | | 8310. | | | | | 8320. | | | | | 8330. | | | | | 8340. | | | | | 8350. | | | | | 8360. | | | | | 8370. | | | | | 8380. | | | | | 8390. | | | | | 8400. | | | | | 8410. | | | | | 8420. | | | | | 8430. | | | | | 8440. | | | | | 8450. | | | | | 8460. | | | | | 8470. | | | | | 8480. | | | | | 8490. | | | | | 8500. | | | | | 8510. | | | | | 8520. | | | | | 8530. | | | | | 8540. | | | | | 8550. | | | | | 8560. | | | | | 8570. | | | | | 8580. | | | | | 8590. | | | | | 8600. | | | | | 8610. | | | | | 8620. | | | | | 8630. | | | | | 8640. | | | | | 8650. | | | | | 8660. | | | | | 8670. | | | | | 8680. | | | | | 8690. | | | | | 8700. | | | | | 8710. | | | | | 8720. | | | | | 8730. | | | | | 8740. | | | | | 8750. | | | | | 8760. | | | | | 8770. | | | | | 8780. | | | | | 8790. | | | | | 8800. | | | | | 8810. | | | | | 8820. | | | | | 8830. | | | | | 8840. | | | | | 8850. | | | | | 8860. | | | | | 8870. | | | | | 8880. | | | | | 8890. | | | | | 8900. | | | | | 8910. | | | | | 8920. | | | | | 8930. | | | | | 8940. | | | | | 8950. | | | | | 8960. | | | | | 8970. | | | | | 8980. | | | | | 8990. | | | | | 9000. | | | | | 9010. | | | | | 9020. | | | | | 9030. | | | | | 9040. | | | | | 9050. | | | | | 9060. | | | | | 9070. | | | | | 9080. | | | | | 9090. | | | | | 9100. | | | | | 9110. | | | | | 9120. | | | | | 9130. | | | | | 9140. | | | | | 9150. | | | | | 9160. | | | | | 9170. | | | | | 9180. | | | | | 9190. | | | | | 9200. | | | | | 9210. | | | | | 9220. | | | | | 9230. | | | | | 9240. | | | | | 9250. | | | | | 9260. | | | | | 9270. | | | | | 9280. | | | | | 9290. | | | | | 9300. | | | | | 9310. | | | | | 9320. | | | | | 9330. | | | | | 9340. | | | | | 9350. | | | | | 9360. | | | | | 9370. | | | | | 9380. | | | | | 9390. | | | | | 9400. | | | | | 9410. | | | | | 9420. | | | | | 9430. | | | | | 9440. | | | | | 9450. | | | | | 9460. | | | | | 9470. | | | | | 9480. | | | | | 9490. | | | | | 9500. | | | | | 9510. | | | | | 9520. | | | | | 9530. | | | | | 9540. | | | | | 9550. | | | | | 9560. | | | | | 9570. | | | | | 9580. | | | | | 9590. | | | | | 9600. | | | | | 9610. | | | | | 9620. | | | | | 9630. | | | | | 9640. | | | | | 9650. | | | | | 9660. | | | | | 9670. | | | | | 9680. | | | | | 9690. | | | | | 9700. | | | | | 9710. | | | | | 9720. | | | | | 9730. | | | | | 9740. | | | | | 9750. | | | | | 9760. | | | | | 9770. | | | | | 9780. | | | | | 9790. | | | | | 9800. | | | | | 9810. | | | | | 9820. | | | | | 9830. | | | | | 9840. | | | | | 9850. | | | | | 9860. | | | | | 9870. | | | | | 9880. | | | | | 9890. | | | | | 9900. | | | | | 9910. | | | | | 9920. | | | | | 9930. | | | | | 9940. | | | | | 9950. | | | | | 9960. | | | | | 9970. | | | | | 9980. | | | | | 9990. | | | | | 10000. | | | | | 10010. | | | | | 10020. | | | | | 10030. | | | | | 10040. | | | | | 10050. | | | | | 10060. | | | | | 10070. | | | | | 10080. | | | | | 10090. | | | | | 10100. | | | | | 10110. | | | | | 10120. | | | | | 10130. | | | | | 10140. | | | | | 10150. | | | | | 10160. | | | | | 10170. | | | | | 10180. | | | | | 10190. | | | | | 10200. | | | | | 10210. | | | | | 10220. | | | | | 10230. | | | | | 10240. | | | | | 10250. | | | | | 10260. | | | | | 10270. | | | | | 10280. | | | | | 10290. | | | | | 10300. | | | | | 10310. | | | | | 10320. | | | | | 10330. | | | | | 10340. | | | | | 10350. | | | | | 103 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 6 | 6/5/ | 731.5m(2400ft.) | FULL-.33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENDITS) | | | | | | | | | |
|---|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| PROC. DATE - MONTH 8 DAY 30 HR. 16.3 | | | | | | | | | |
| FREQ. | INLET IN DEGREES (AND RADIAN) | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| 50 | 74.5 | 77.3 | 79.1 | 79.1 | 80.7 | 81.3 | 82.4 | 85.3 | 88.6 |
| 63 | 76.6 | 78.4 | 80.1 | 81.2 | 82.5 | 83.6 | 84.5 | 87.7 | 91.9 |
| 80 | 79.2 | 81.0 | 82.0 | 83.5 | 84.9 | 85.7 | 87.4 | 90.3 | 93.0 |
| 100 | 81.2 | 83.0 | 83.3 | 85.3 | 86.6 | 87.5 | 88.9 | 92.3 | 95.3 |
| 125 | 84.8 | 85.8 | 87.4 | 87.6 | 88.2 | 88.8 | 90.4 | 93.1 | 95.1 |
| 160 | 83.4 | 85.4 | 87.7 | 88.5 | 88.6 | 90.4 | 91.6 | 94.7 | 97.7 |
| 200 | 83.5 | 85.8 | 87.6 | 88.3 | 89.4 | 91.4 | 92.2 | 95.1 | 97.6 |
| 250 | 84.6 | 86.1 | 89.4 | 89.4 | 91.0 | 91.4 | 93.0 | 95.7 | 98.1 |
| 315 | 85.2 | 89.3 | 93.0 | 92.3 | 93.4 | 93.8 | 94.9 | 98.1 | 103.0 |
| 400 | 85.2 | 89.3 | 93.4 | 93.1 | 95.0 | 95.3 | 96.0 | 97.6 | 99.6 |
| 500 | 85.5 | 89.1 | 93.4 | 93.1 | 95.1 | 95.0 | 96.4 | 98.6 | 99.6 |
| 630 | 85.2 | 89.0 | 93.3 | 93.1 | 95.1 | 95.0 | 96.4 | 98.6 | 99.6 |
| 800 | 85.6 | 89.9 | 94.0 | 95.0 | 96.3 | 96.9 | 97.6 | 98.5 | 100.6 |
| 1000 | 85.1 | 90.4 | 93.5 | 95.3 | 96.6 | 97.2 | 98.6 | 99.5 | 101.5 |
| 1250 | 84.0 | 89.4 | 92.5 | 94.2 | 97.1 | 96.7 | 98.1 | 99.7 | 101.5 |
| 1600 | 81.9 | 88.9 | 91.2 | 94.0 | 95.8 | 96.1 | 98.3 | 98.6 | 100.2 |
| 2000 | 80.9 | 87.9 | 90.6 | 93.3 | 95.6 | 95.7 | 98.1 | 98.1 | 100.2 |
| 2500 | 78.0 | 85.6 | 88.2 | 90.6 | 94.6 | 94.2 | 96.8 | 95.9 | 98.5 |
| 3150 | 75.1 | 83.7 | 85.8 | 88.9 | 91.3 | 91.6 | 92.8 | 94.3 | 95.4 |
| 4000 | 73.5 | 82.4 | 85.3 | 88.3 | 90.3 | 90.5 | 92.9 | 93.0 | 94.6 |
| 5000 | 70.2 | 79.9 | 84.3 | 86.5 | 87.8 | 87.9 | 90.3 | 90.5 | 92.6 |
| 6300 | 67.3 | 77.0 | 82.3 | 83.3 | 82.7 | 83.7 | 85.3 | 86.3 | 88.6 |
| 8000 | 66.0 | 77.0 | 82.2 | 82.1 | 81.1 | 81.5 | 81.6 | 84.1 | 85.0 |
| 10000 | 70.4 | 82.3 | 88.0 | 85.6 | 84.5 | 85.1 | 86.5 | 87.0 | 89.0 |
| OVERALL CALCULATED | | | | | | | | | |
| PND3 | 104.8 | 110.9 | 113.9 | 115.7 | 117.8 | 118.0 | 119.9 | 120.5 | 122.7 |
| PND3 | 104.8 | 110.9 | 113.9 | 115.7 | 117.8 | 118.0 | 119.9 | 120.5 | 122.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 6 TEST POINT 6/52 ACOUSTIC RANGE 45.7m(150ft.) ARC FULL-33m²(513in²) SIZE

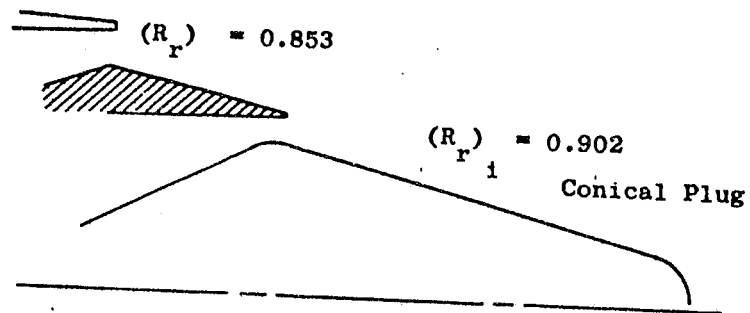
| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.15) |
| NO EGA | | 50 | 46.4 | 50.7 | 53.5 | 54.3 | 56.3 | 57.1 | 58.1 | 60.5 | 63.0 | 68.3 | 70.9 | 63.6 | 65.7 | 0. |
| SIDELINE 2400. FT. | | 80 | 50.9 | 54.2 | 56.4 | 58.6 | 60.4 | 61.4 | 62.9 | 65.4 | 67.4 | 73.6 | 76.9 | 71.1 | 70.8 | 0. |
| (731.52 M) | | 100 | 52.8 | 56.2 | 57.6 | 60.3 | 62.1 | 63.1 | 64.4 | 67.3 | 69.6 | 74.3 | 77.9 | 72.2 | 71.9 | 0. |
| NFA (1. RPM | | 125 | 56.3 | 58.9 | 61.5 | 62.6 | 63.6 | 64.4 | 66.1 | 68.1 | 70.3 | 74.2 | 77.3 | 77.6 | 70.2 | 0. |
| (0. RAD/SEC) | | 160 | 54.7 | 58.4 | 61.8 | 63.3 | 63.9 | 65.8 | 66.8 | 69.6 | 71.8 | 74.2 | 75.5 | 70.3 | 67.7 | 0. |
| NFK (1. RPM | | 200 | 54.6 | 58.5 | 61.5 | 63.0 | 64.6 | 66.3 | 67.3 | 69.8 | 71.5 | 74.1 | 74.4 | 68.5 | 65.9 | 0. |
| (0. RAD/SEC) | | 250 | 55.4 | 58.6 | 63.1 | 63.9 | 66.0 | 66.5 | 68.0 | 70.2 | 71.9 | 73.2 | 72.7 | 66.6 | 63.2 | 0. |
| NFD (7500. RPM | | 315 | 55.7 | 60.2 | 64.5 | 64.8 | 66.1 | 67.4 | 68.4 | 70.1 | 72.5 | 72.8 | 72.7 | 66.2 | 61.7 | 0. |
| (785. RAD/SEC) | | 400 | 55.2 | 61.1 | 66.2 | 66.3 | 67.9 | 68.4 | 69.4 | 72.0 | 73.2 | 73.7 | 74.1 | 67.7 | 63.4 | 0. |
| AIRFLOW RATIO | | 500 | 55.0 | 60.5 | 66.1 | 66.8 | 69.1 | 69.6 | 70.1 | 71.3 | 72.4 | 72.2 | 72.4 | 66.9 | 63.0 | 0. |
| WF/WH 8.00 | | 630 | 54.0 | 59.9 | 65.6 | 68.2 | 68.8 | 69.9 | 70.1 | 71.7 | 72.1 | 71.0 | 71.6 | 67.1 | 63.1 | 0. |
| VEHICLE CELL41 | | 800 | 53.5 | 60.1 | 65.6 | 67.6 | 69.4 | 70.2 | 70.7 | 71.1 | 72.1 | 70.7 | 70.2 | 65.9 | 62.5 | 0. |
| CONFIG NC60 | | 1000 | 51.9 | 59.7 | 64.3 | 67.1 | 69.0 | 69.8 | 71.0 | 71.4 | 72.3 | 70.6 | 70.6 | 64.5 | 60.5 | 0. |
| LDC C41 ANECH CH | | 1250 | 49.5 | 57.5 | 62.3 | 65.2 | 68.6 | 68.4 | 69.6 | 70.7 | 72.1 | 69.7 | 69.5 | 64.2 | 58.3 | 0. |
| DATE 06-21-76 | | 1600 | 45.4 | 55.3 | 59.6 | 63.6 | 66.1 | 66.7 | 68.6 | 68.2 | 68.6 | 66.7 | 66.6 | 60.7 | 54.5 | 0. |
| RUN CONF6ZEROFW | | 2000 | 42.1 | 52.5 | 57.3 | 61.4 | 64.4 | 64.7 | 66.9 | 66.2 | 66.3 | 63.4 | 63.4 | 57.3 | 49.2 | 0. |
| TAPE X61520 | | 2500 | 35.9 | 47.3 | 52.5 | 56.4 | 61.3 | 61.2 | 63.5 | 61.7 | 62.7 | 58.3 | 58.3 | 51.5 | 40.8 | 0. |
| FAN TIP SPEED | | 3150 | 27.6 | 40.9 | 46.2 | 51.1 | 54.6 | 55.2 | 56.1 | 56.5 | 56.7 | 51.3 | 51.1 | 39.6 | 27.4 | 0. |
| FT/SEC | | 4000 | 17.9 | 32.9 | 39.8 | 45.1 | 48.4 | 49.0 | 51.0 | 49.8 | 49.0 | 42.0 | 40.1 | 30.3 | 9.5 | 0. |
| | | 5000 | 9.9 | 26.5 | 35.3 | 40.2 | 43.0 | 43.5 | 45.5 | 44.2 | 43.5 | 37.4 | 33.7 | 21.5 | | |
| | | 6300 | 12.2 | 23.2 | 27.8 | 29.0 | 30.7 | 31.6 | 30.7 | 29.5 | 21.6 | 16.5 | | | | |
| | | 8000 | | 7.7 | 12.4 | 14.0 | 15.2 | 14.5 | 14.4 | 11.5 | 1.5 | | | | | |
| | | 10000 | | | | | 0.4 | 0.6 | | | | | | | | |
| OVERALL CALCULATED | | 65.5 | 70.6 | 75.1 | 76.8 | 78.7 | 79.4 | 80.5 | 81.8 | 83.2 | 84.5 | 86.0 | 80.1 | 78.6 | | |
| PNDB | | 69.2 | 76.0 | 81.0 | 83.7 | 86.2 | 86.8 | 88.4 | 88.8 | 89.8 | 89.2 | 89.8 | 83.4 | 79.2 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **6** TEST POINT **6152** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **6152** SIZE **FULL-33m²(513in²)**

6.7 Acoustic Data

• Coannular Configuration No. 7



$$A^0 = 18.049 \text{ in.}^2$$

$$A_T = A^0 + A^1 = 23.927 \text{ in.}^2$$

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
F. 70 PERCENT REL. HUM. DAY - JENOTS)

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| | 63 | 80 | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 63 | 80 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | 1025 | 1050 | 1075 | 1100 | 1125 | 1150 | 1175 | 1200 | 1225 | 1250 | 1275 | 1300 | 1325 | 1350 | 1375 | 1400 | 1425 | 1450 | 1475 | 1500 | 1525 | 1550 | 1575 | 1600 | 1625 | 1650 | 1675 | 1700 | 1725 | 1750 | 1775 | 1800 | 1825 | 1850 | 1875 | 1900 | 1925 | 1950 | 1975 | 2000 | 2025 | 2050 | 2075 | 2100 | 2125 | 2150 | 2175 | 2200 | 2225 | 2250 | 2275 | 2300 | 2325 | 2350 | 2375 | 2400 | 2425 | 2450 | 2475 | 2500 | 2525 | 2550 | 2575 | 2600 | 2625 | 2650 | 2675 | 2700 | 2725 | 2750 | 2775 | 2800 | 2825 | 2850 | 2875 | 2900 | 2925 | 2950 | 2975 | 3000 | 3025 | 3050 | 3075 | 3100 | 3125 | 3150 | 3175 | 3200 | 3225 | 3250 | 3275 | 3300 | 3325 | 3350 | 3375 | 3400 | 3425 | 3450 | 3475 | 3500 | 3525 | 3550 | 3575 | 3600 | 3625 | 3650 | 3675 | 3700 | 3725 | 3750 | 3775 | 3800 | 3825 | 3850 | 3875 | 3900 | 3925 | 3950 | 3975 | 4000 | 4025 | 4050 | 4075 | 4100 | 4125 | 4150 | 4175 | 4200 | 4225 | 4250 | 4275 | 4300 | 4325 | 4350 | 4375 | 4400 | 4425 | 4450 | 4475 | 4500 | 4525 | 4550 | 4575 | 4600 | 4625 | 4650 | 4675 | 4700 | 4725 | 4750 | 4775 | 4800 | 4825 | 4850 | 4875 | 4900 | 4925 | 4950 | 4975 | 5000 | 5025 | 5050 | 5075 | 5100 | 5125 | 5150 | 5175 | 5200 | 5225 | 5250 | 5275 | 5300 | 5325 | 5350 | 5375 | 5400 | 5425 | 5450 | 5475 | 5500 | 5525 | 5550 | 5575 | 5600 | 5625 | 5650 | 5675 | 5700 | 5725 | 5750 | 5775 | 5800 | 5825 | 5850 | 5875 | 5900 | 5925 | 5950 | 5975 | 6000 | 6025 | 6050 | 6075 | 6100 | 6125 | 6150 | 6175 | 6200 | 6225 | 6250 | 6275 | 6300 | 6325 | 6350 | 6375 | 6400 | 6425 | 6450 | 6475 | 6500 | 6525 | 6550 | 6575 | 6600 | 6625 | 6650 | 6675 | 6700 | 6725 | 6750 | 6775 | 6800 | 6825 | 6850 | 6875 | 6900 | 6925 | 6950 | 6975 | 7000 | 7025 | 7050 | 7075 | 7100 | 7125 | 7150 | 7175 | 7200 | 7225 | 7250 | 7275 | 7300 | 7325 | 7350 | 7375 | 7400 | 7425 | 7450 | 7475 | 7500 | 7525 | 7550 | 7575 | 7600 | 7625 | 7650 | 7675 | 7700 | 7725 | 7750 | 7775 | 7800 | 7825 | 7850 | 7875 | 7900 | 7925 | 7950 | 7975 | 8000 | 8025 | 8050 | 8075 | 8100 | 8125 | 8150 | 8175 | 8200 | 8225 | 8250 | 8275 | 8300 | 8325 | 8350 | 8375 | 8400 | 8425 | 8450 | 8475 | 8500 | 8525 | 8550 | 8575 | 8600 | 8625 | 8650 | 8675 | 8700 | 8725 | 8750 | 8775 | 8800 | 8825 | 8850 | 8875 | 8900 | 8925 | 8950 | 8975 | 9000 | 9025 | 9050 | 9075 | 9100 | 9125 | 9150 | 9175 | 9200 | 9225 | 9250 | 9275 | 9300 | 9325 | 9350 | 9375 | 9400 | 9425 | 9450 | 9475 | 9500 | 9525 | 9550 | 9575 | 9600 | 9625 | 9650 | 9675 | 9700 | 9725 | 9750 | 9775 | 9800 | 9825 | 9850 | 9875 | 9900 | 9925 | 9950 | 9975 | 10000 | 10025 | 10050 | 10075 | 10100 | 10125 | 10150 | 10175 | 10200 | 10225 | 10250 | 10275 | 10300 | 10325 | 10350 | 10375 | 10400 | 10425 | 10450 | 10475 | 10500 | 10525 | 10550 | 10575 | 10600 | 10625 | 10650 | 10675 | 10700 | 10725 | 10750 | 10775 | 10800 | 10825 | 10850 | 10875 | 10900 | 10925 | 10950 | 10975 | 11000 | 11025 | 11050 | 11075 | 11100 | 11125 | 11150 | 11175 | 11200 | 11225 | 11250 | 11275 | 11300 | 11325 | 11350 | 11375 | 11400 | 11425 | 11450 | 11475 | 11500 | 11525 | 11550 | 11575 | 11600 | 11625 | 11650 | 11675 | 11700 | 11725 | 11750 | 11775 | 11800 | 11825 | 11850 | 11875 | 11900 | 11925 | 11950 | 11975 | 12000 | 12025 | 12050 | 12075 | 12100 | 12125 | 12150 | 12175 | 12200 | 12225 | 12250 | 12275 | 12300 | 12325 | 12350 | 12375 | 12400 | 12425 | 12450 | 12475 | 12500 | 12525 | 12550 | 12575 | 12600 | 12625 | 12650 | 12675 | 12700 | 12725 | 12750 | 12775 | 12800 | 12825 | 12850 | 12875 | 12900 | 12925 | 12950 | 12975 | 13000 | 13025 | 13050 | 13075 | 13100 | 13125 | 13150 | 13175 | 13200 | 13225 | 13250 | 13275 | 13300 | 13325 | 13350 | 13375 | 13400 | 13425 | 13450 | 13475 | 13500 | 13525 | 13550 | 13575 | 13600 | 13625 | 13650 | 13675 | 13700 | 13725 | 13750 | 13775 | 13800 | 13825 | 13850 | 13875 | 13900 | 13925 | 13950 | 13975 | 14000 | 14025 | 14050 | 14075 | 14100 | 14125 | 14150 | 14175 | 14200 | 14225 | 14250 | 14275 | 14300 | 14325 | 14350 | 14375 | 14400 | 14425 | 14450 | 14475 | 14500 | 14525 | 14550 | 14575 | 14600 | 14625 | 14650 | 14675 | 14700 | 14725 | 14750 | 14775 | 14800 | 14825 | 14850 | 14875 | 14900 | 14925 | 14950 | 14975 | 15000 | 15025 | 15050 | 15075 | 15100 | 15125 | 15150 | 15175 | 15200 | 15225 | 15250 | 15275 | 15300 | 15325 | 15350 | 15375 | 15400 | 15425 | 15450 | 15475 | 15500 | 15525 | 15550 | 15575 | 15600 | 15625 | 15650 | 15675 | 15700 | 15725 | 15750 | 15775 | 15800 | 15825 | 15850 | 15875 | 15900 | 15925 | 15950 | 15975 | 16000 | 16025 | 16050 | 16075 | 16100 | 16125 | 16150 | 16175 | 16200 | 16225 | 16250 | 16275 | 16300 | 16325 | 16350 | 16375 | 16400 | 16425 | 16450 | 16475 | 16500 | 16525 | 16550 | 16575 | 16600 | 16625 | 16650 | 16675 | 16700 | 16725 | 16750 | 16775 | 16800 | 16825 | 16850 | 16875 | 16900 | 16925 | 16950 | 16975 | 17000 | 17025 | 17050 | 17075 | 17100 | 17125 | 17150 | 17175 | 17200 | 17225 | 17250 | 17275 | 17300 | 17325 | 17350 | 17375 | 17400 | 17425 | 17450 | 17475 | 17500 | 17525 | 17550 | 17575 | 17600 | 17625 | 17650 | 17675 | 17700 | 17725 | 17750 | 17775 | 17800 | 17825 | 17850 | 17875 | 17900 | 17925 | 17950 | 17975 | 18000 | 18025 | 18050 | 18075 | 18100 | 18125 | 18150 | 18175 | 18200 | 18225 | 18250 | 18275 | 18300 | 18325 | 18350 | 18375 | 18400 | 18425 | 18450 | 18475 | 18500 | 18525 | 18550 | 18575 | 18600 | 18625 | 18650 | 18675 | 18700 | 18725 | 18750 | 18775 | 18800 | 18825 | 18850 | 18875 | 18900 | 18925 | 18950 | 18975 | 19000 | 19025 | 19050 | 19075 | 19100 | 19125 | 19150 | 19175 | 19200 | 19225 | 19250 | 19275 | 19300 | 19325 | 19350 | 19375 | 19400 | 19425 | 19450 | 19475 | 19500 | 19525 | 19550 | 19575 | 19600 | 19625 | 19650 | 19675 | 19700 | 19725 | 19750 | 19775 | 19800 | 19825 | 19850 | 19875 | 19900 | 19925 | 19950 | 19975 | 20000 | 20025 | 20050 | 20075 | 20100 | 20125 | 20150 | 20175 | 20200 | 20225 | 20250 | 20275 | 20300 | 20325 | 20350 | 20375 | 20400 | 20425 | 20450 | 20475 | 20500 | 20525 | 20550 | 20575 | 20600 | 20625 | 20650 | 20675 | 20700 | 20725 | 20750 | 20775 | 20800 | 20825 | 20850 | 20875 | 20900 | 20925 | 20950 | 20975 | 21000 | 21025 | 21050 | 21075 | 21100 | 21125 | 21150 | 21175 | 21200 | 21225 | 21250 | 21275 | 21300 | 21325 | 21350 | 21375 | 21400 | 21425 | 21450 | 21475 | 21500 | 21525 | 21550 | 21575 | 21600 | 21625 | 21650 | 21675 | 21700 | 21725 | 21750 | 21775 | 21800 | 21825 | 21850 | 21875 | 21900 | 21925 | 21950 | 21975 | 22000 | 22025 | 22050 | 22075 | 22100 | 22125 | 22150 | 22175 | 22200 | 22225 | 22250 | 22275 | 22300 | 22325 | 22350 | 22375 | 22400 | 22425 | 22450 | 22475 | 22500 | 22525 | 22550 | 22575 | 22600 | 22625 | 22650 | 22675 | 22700 | 22725 | 22750 | 22775 | 22800 | 22825 | 22850 | 22875 | 22900 | 22925 | 22950 | 22975 | 23000 | 23025 | 23050 | 23075 | 23100 | 23125 | 23150 | 23175 | 23200 | 23225 | 23250 | 23275 | 23300 | 23325 | 23350 | 23375 | 23400 | 23425 | 23450 | 23475 | 23500 | 23525 | 23550 | 23575 | 23600 | 23625 | 23650 | 23675 | 23700 | 23725 | 23750 | 23775 | 23800 | 23825 | 23850 | 23875 | 23900 | 23925 | 23950 | 23975 | 24000 | 24025 | 24050 | 24075 | 24100 | 24125 | 24150 | 24175 | 24200 | 24225 | 24250 | 24275 | 24300 | 24325 | 24350 | 24375 | 24400 | 24425 | 24450 | 24475 | 24500 | 24525 | 24550 | 24575 | 24600 | 24625 | 24650 | 24675 | 24700 | 24725 | 24750 | 24775 | 24800 | 24825 | 24850 | 24875 | 24900 | 24925 | 24950 | 24975 | 25000 | 25025 | 25050 | 25075 | 25100 | 25125 | 25150 | 25175 | 25200 | 25225 | 25250 | 25275 | 25300 | 25325 | 25350 | 25375 | 25400 | 25425 | 25450 | 25475 | 25500 | 25525 | 25550 | 25575 | 25600 | 25625 | 25650 | 25675 | 25700 | 25725 | 25750 | 25775 | 25800 | 25825 | 25850 | 25875 | 25900 | 25925 | 25950 | 25975 | 26000 | 26025 | 26050 | 26075 | 26100 | 26125 | 26150 | 26175 | 26200 | 26225 | 26250 | 26275 | 26300 | 26325 | 26350 | 26375 | 26400 | 26425 | 26450 | 26475 | 26500 | 26525 | 26550 | 26575 | 26600 | 26625 | 26650 | 26675 | 26700 | 26725 | 26750 | 26775 | 26800 | 26825 | 26850 | 26875 | 26900 | 26925 | 26950 | 26975 | 27000 | 27025 | 27050 | 27075 | 27100 | 27125 | 27150 | 27175 | 27200 | 27225 | 27250 | 27275 | 27300 | 27325 | 27350 | 27375 | 27400 | 27425 | 27450 | 27475 | 27500 | 27525 | 27550 | 27575 | 27600 | 27625 | 27650 | 27675 | 27700 | 27725 | 27750 | 27775 | 27800 | 27825 | 27850 | 27875 | 27900 | 27925 | 27950 | 27975 | 28000 | 28025 | 28050 | 28075 | 28100 | 28125 | 28150 | 28175 | 28200 | 28225 | 28250 | 28275 | 28300 | 28325 | 28350 | 28375 | 28400 | 28425 | 28450 | 28475 | 28500 | 28525 | 28550 | 28575 | 28600 | 28625 | 28650 | 28675 | 28700 | 28725 | 28750 | 28775 | 28800 | 28825 | 28850 | 28875 | 28900 | 28925 | 28950 | 28975 | 29000 | 29025 | 29050 | 29075 | 29100 | 29125 | 29150 | 29175 | 29200 | 29225 | 29250 | 29275 | 29300 | 29325 | 29350 | 29375 | 29400 | 29425 | 29450 | 29475 | 29500 | 29525 | 29550 | 29575 | 29600 | 29625 | 29650 | 29675 | 29700 | 29725 | 29750 | 29775 | 29800 | 29825 | 29850 | 29875 | 29900 | 29925 | 29950 | 29975 | 30000 | 30025 | 30050 | 30075 | 30100 | 30125 | 30150 | 30175 | 30200 | 30225 | 30250 | 30275 | 30300 | 30325 | 30350 | 30375 | 30400 | 30425 | 30450 | 30475 | 30500 | 30525 | 30550 | 30575 | 30600 | 30625 | 30650 | 30675 | 30700 | 30725 | 30750 | 30775 | 30800 | 30825 | 30850 | 30875 | 30900 | 30925 | 30950 | 30975 | 31000 | 31025 | 31050 | 31075 | 31100 | 31125 | 31150 | 31175 | 31200 | 31225</ |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 1 | 760 | 12.2m(40ft.) ARC |

SIZE
MODEL-154cm²(23.9in²)

PRECEDING PAGE BLANK NOT FILMED

| | | |
|---------------|------------|-------------------|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
| 7 | 760 | 45.7m(150ft.) ARC |

SIZE
FULL-.33m²(53in²)

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|--|--|---|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.43)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.33)(3.5)(3.67)(3.85)(4.03)(4.21)(4.39)(4.57)(4.75)(4.93)(5.11)(5.29)(5.47)(5.65)(5.83)(6.01)(6.19)(6.37)(6.55)(6.73)(6.91)(7.09)(7.27)(7.45)(7.63)(7.81)(7.99)(8.17)(8.35)(8.53)(8.71)(8.89)(9.07)(9.25)(9.43)(9.61)(9.79)(9.97)(10.15)(10.33)(10.51)(10.69)(10.87)(11.05)(11.23)(11.41)(11.59)(11.77)(11.95)(12.13)(12.31)(12.49)(12.67)(12.85)(13.03)(13.21)(13.39)(13.57)(13.75)(13.93)(14.11)(14.29)(14.47)(14.65)(14.83)(15.01)(15.19)(15.37)(15.55)(15.73)(15.91)(16.09)(16.27)(16.45)(16.63)(16.81)(16.99)(17.17)(17.35)(17.53)(17.71)(17.89)(18.07)(18.25)(18.43)(18.61)(18.79)(18.97)(19.15)(19.33)(19.51)(19.69)(19.87)(20.05)(20.23)(20.41)(20.59)(20.77)(20.95)(21.13)(21.31)(21.49)(21.67)(21.85)(22.03)(22.21)(22.39)(22.57)(22.75)(22.93)(23.11)(23.29)(23.47)(23.65)(23.83)(24.01)(24.19)(24.37)(24.55)(24.73)(24.91)(25.09)(25.27)(25.45)(25.63)(25.81)(25.99)(26.17)(26.35)(26.53)(26.71)(26.89)(27.07)(27.25)(27.43)(27.61)(27.79)(27.97)(28.15)(28.33)(28.51)(28.69)(28.87)(29.05)(29.23)(29.41)(29.59)(29.77)(29.95)(30.13)(30.31)(30.49)(30.67)(30.85)(31.03)(31.21)(31.39)(31.57)(31.75)(31.93)(32.11)(32.29)(32.47)(32.65)(32.83)(33.01)(33.19)(33.37)(33.55)(33.73)(33.91)(34.09)(34.27)(34.45)(34.63)(34.81)(34.99)(35.17)(35.35)(35.53)(35.71)(35.89)(36.07)(36.25)(36.43)(36.61)(36.79)(36.97)(37.15)(37.33)(37.51)(37.69)(37.87)(38.05)(38.23)(38.41)(38.59)(38.77)(38.95)(39.13)(39.31)(39.49)(39.67)(39.85)(40.03)(40.21)(40.39)(40.57)(40.75)(40.93)(41.11)(41.29)(41.47)(41.65)(41.83)(42.01)(42.19)(42.37)(42.55)(42.73)(42.91)(43.09)(43.27)(43.45)(43.63)(43.81)(43.99)(44.17)(44.35)(44.53)(44.71)(44.89)(45.07)(45.25)(45.43)(45.61)(45.79)(45.97)(46.15)(46.33)(46.51)(46.69)(46.87)(47.05)(47.23)(47.41)(47.59)(47.77)(47.95)(48.13)(48.31)(48.49)(48.67)(48.85)(49.03)(49.21)(49.39)(49.57)(49.75)(49.93)(50.11)(50.29)(50.47)(50.65)(50.83)(51.01)(51.19)(51.37)(51.55)(51.73)(51.91)(52.09)(52.27)(52.45)(52.63)(52.81)(52.99)(53.17)(53.35)(53.53)(53.71)(53.89)(54.07)(54.25)(54.43)(54.61)(54.79)(54.97)(55.15)(55.33)(55.51)(55.69)(55.87)(56.05)(56.23)(56.41)(56.59)(56.77)(56.95)(57.13)(57.31)(57.49)(57.67)(57.85)(58.03)(58.21)(58.39)(58.57)(58.75)(58.93)(59.11)(59.29)(59.47)(59.65)(59.83)(59.99)(60.17)(60.35)(60.53)(60.71)(60.89)(61.07)(61.25)(61.43)(61.61)(61.79)(61.97)(62.15)(62.33)(62.51)(62.69)(62.87)(63.05)(63.23)(63.41)(63.59)(63.77)(63.95)(64.13)(64.31)(64.49)(64.67)(64.85)(65.03)(65.21)(65.39)(65.57)(65.75)(65.93)(66.11)(66.29)(66.47)(66.65)(66.83)(67.01)(67.19)(67.37)(67.55)(67.73)(67.91)(68.09)(68.27)(68.45)(68.63)(68.81)(68.99)(69.17)(69.35)(69.53)(69.71)(69.89)(70.07)(70.25)(70.43)(70.61)(70.79)(70.97)(71.15)(71.33)(71.51)(71.69)(71.87)(72.05)(72.23)(72.41)(72.59)(72.77)(72.95)(73.13)(73.31)(73.49)(73.67)(73.85)(74.03)(74.21)(74.39)(74.57)(74.75)(74.93)(75.11)(75.29)(75.47)(75.65)(75.83)(76.01)(76.19)(76.37)(76.55)(76.73)(76.91)(77.09)(77.27)(77.45)(77.63)(77.81)(77.99)(78.17)(78.35)(78.53)(78.71)(78.89)(79.07)(79.25)(79.43)(79.61)(79.79)(79.97)(80.15)(80.33)(80.51)(80.69)(80.87)(81.05)(81.23)(81.41)(81.59)(81.77)(81.95)(82.13)(82.31)(82.49)(82.67)(82.85)(83.03)(83.21)(83.39)(83.57)(83.75)(83.93)(84.11)(84.29)(84.47)(84.65)(84.83)(85.01)(85.19)(85.37)(85.55)(85.73)(85.91)(86.09)(86.27)(86.45)(86.63)(86.81)(86.99)(87.17)(87.35)(87.53)(87.71)(87.89)(88.07)(88.25)(88.43)(88.61)(88.79)(88.97)(89.15)(89.33)(89.51)(89.69)(89.87)(90.05)(90.23)(90.41)(90.59)(90.77)(90.95)(91.13)(91.31)(91.49)(91.67)(91.85)(92.03)(92.21)(92.39)(92.57)(92.75)(92.93)(93.11)(93.29)(93.47)(93.65)(93.83)(94.01)(94.19)(94.37)(94.55)(94.73)(94.91)(95.09)(95.27)(95.45)(95.63)(95.81)(95.99)(96.17)(96.35)(96.53)(96.71)(96.89)(97.07)(97.25)(97.43)(97.61)(97.79)(97.97)(98.15)(98.33)(98.51)(98.69)(98.87)(99.05)(99.23)(99.41)(99.59)(99.77)(99.95)(100.13)(100.31)(100.49)(100.67)(100.85)(101.03)(101.21)(101.39)(101.57)(101.75)(101.93)(102.11)(102.29)(102.47)(102.65)(102.83)(103.01)(103.19)(103.37)(103.55)(103.73)(103.91)(104.09)(104.27)(104.45)(104.63)(104.81)(104.99)(105.17)(105.35)(105.53)(105.71)(105.89)(106.07)(106.25)(106.43)(106.61)(106.79)(106.97)(107.15)(107.33)(107.51)(107.69)(107.87)(108.05)(108.23)(108.41)(108.59)(108.77)(108.95)(109.13)(109.31)(109.49)(109.67)(109.85)(110.03)(110.21)(110.39)(110.57)(110.75)(110.93)(111.11)(111.29)(111.47)(111.65)(111.83)(112.01)(112.19)(112.37)(112.55)(112.73)(112.91)(113.09)(113.27)(113.45)(113.63)(113.81)(113.99)(114.17)(114.35)(114.53)(114.71)(114.89)(115.07)(115.25)(115.43)(115.61)(115.79)(115.97)(116.15)(116.33)(116.51)(116.69)(116.87)(117.05)(117.23)(117.41)(117.59)(117.77)(117.95)(118.13)(118.31)(118.49)(118.67)(118.85)(119.03)(119.21)(119.39)(119.57)(119.75)(119.93)(120.11)(120.29)(120.47)(120.65)(120.83)(121.01)(121.19)(121.37)(121.55)(121.73)(121.91)(122.09)(122.27)(122.45)(122.63)(122.81)(122.99)(123.17)(123.35)(123.53)(123.71)(123.89)(124.07)(124.25)(124.43)(124.61)(124.79)(124.97)(125.15)(125.33)(125.51)(125.69)(125.87)(126.05)(126.23)(126.41)(126.59)(126.77)(126.95)(127.13)(127.31)(127.49)(127.67)(127.85)(128.03)(128.21)(128.39)(128.57)(128.75)(128.93)(129.11)(129.29)(129.47)(129.65)(129.83)(130.01)(130.19)(130.37)(130.55)(130.73)(130.91)(131.09)(131.27)(131.45)(131.63)(131.81)(131.99)(132.17)(132.35)(132.53)(132.71)(132.89)(133.07)(133.25)(133.43)(133.61)(133.79)(133.97)(134.15)(134.33)(134.51)(134.69)(134.87)(135.05)(135.23)(135.41)(135.59)(135.77)(135.95)(136.13)(136.31)(136.49)(136.67)(136.85)(137.03)(137.21)(137.39)(137.57)(137.75)(137.93)(138.11)(138.29)(138.47)(138.65)(138.83)(139.01)(139.19)(139.37)(139.55)(139.73)(139.91)(140.09)(140.27)(140.45)(140.63)(140.81)(140.99)(141.17)(141.35)(141.53)(141.71)(141.89)(142.07)(142.25)(142.43)(142.61)(142.79)(142.97)(143.15)(143.33)(143.51)(143.69)(143.87)(144.05)(144.23)(144.41)(144.59)(144.77)(144.95)(145.13)(145.31)(145.49)(145.67)(145.85)(146.03)(146.21)(146.39)(146.57)(146.75)(146.93)(147.11)(147.29)(147.47)(147.65)(147.83)(148.01)(148.19)(148.37)(148.55)(148.73)(148.91)(149.09)(149.27)(149.45)(149.63)(149.81)(149.99)(150.17)(150.35)(150.53)(150.71)(150.89)(151.07)(151.25)(151.43)(151.61)(151.79)(151.97)(152.15)(152.33)(152.51)(152.69)(152.87)(153.05)(153.23)(153.41)(153.59)(153.77)(153.95)(154.13)(154.31)(154.49)(154.67)(154.85)(155.03)(155.21)(155.39)(155.57)(155.75)(155.93)(156.11)(156.29)(156.47)(156.65)(156.83)(157.01)(157.19)(157.37)(157.55)(157.73)(157.91)(158.09)(158.27)(158.45)(158.63)(158.81)(158.99)(159.17)(159.35)(159.53)(159.71)(159.89)(160.07)(160.25)(160.43)(160.61)(160.79)(160.97)(161.15)(161.33)(161.51)(161.69)(161.87)(162.05)(162.23)(162.41)(162.59)(162.77)(162.95)(163.13)(163.31)(163.49)(163.67)(163.85)(164.03)(164.21)(164.39)(164.57)(164.75)(164.93)(165.11)(165.29)(165.47)(165.65)(165.83)(166.01)(166.19)(166.37)(166.55)(166.73)(166.91)(167.09)(167.27)(167.45)(167.63)(167.81)(167.99)(168.17)(168.35)(168.53)(168.71)(168.89)(169.07)(169.25)(169.43)(169.61)(169.79)(169.97)(170.15)(170.33)(170.51)(170.69)(170.87)(171.05)(171.23)(171.41)(171.59)(171.77)(171.95)(172.13)(172.31)(172.49)(172.67)(172.85)(173.03)(173.21)(173.39)(173.57)(173.75)(173.93)(174.11)(174.29)(174.47)(174.65)(174.83)(175.01)(175.19)(175.37)(175.55)(175.73)(175.91)(176.09)(176.27)(176.45)(176.63)(176.81)(176.99)(177.17)(177.35)(177.53)(177.71)(177.89)(178.07)(178.25)(178.43)(178.61)(178.79)(178.97)(179.15)(179.33)(179.51)(179.69)(179.87)(180.05)(180.23)(180.41)(180.59)(180.77)(180.95)(181.13)(181.31)(181.49)(181.67)(181.85)(182.03)(182.21)(182.39)(182.57)(182.75)(182.93)(183.11)(183.29)(183.47)(183.65)(183.83)(184.01)(184.19)(184.37)(184.55)(184.73)(184.91)(185.09)(185.27)(185.45)(185.63)(185.81)(185.99)(186.17)(186.35)(186.53)(186.71)(186.89)(187.07)(187.25)(187.43)(187.61)(187.79)(187.97)(188.15)(188.33)(188.51)(188.69)(188.87)(189.05)(189.23)(189.41)(189.59)(189.77)(189.95)(190.13)(190.31)(190.49)(190.67)(190.85)(191.03)(191.21)(191.39)(191.57)(191.75)(191.93)(192.11)(192.29)(192.47)(192.65)(192.83)(193.01)(193.19)(193.37)(193.55)(193.73)(193.91)(194.09)(194.27)(194.45)(194.63)(194.81)(194.99)(195.17)(195.35)(195.53)(195.71)(195.89)(196.07)(196.25)(196.43)(196.61)(196.79)(196.97)(197.15)(197.33)(197.51)(197.69)(197.87)(198.05)(198.23)(198.41)(198.59)(198.77)(198.95)(199.13)(199.31)(199.49)(199.67)(199.85)(200.03)(200.21)(200.39)(200.57)(200.75)(200.93)(201.11)(201.29)(201.47)(201.65)(201.83)(202.01)(202.19)(202.37)(202.55)(202.73)(202.91)(203.09)(203.27)(203.45)(203.63)(203.81)(203.99)(204.17)(204.35)(204.53)(204.71)(204.89)(205.07)(205.25)(205.43)(205.61)(205.79)(205.97)(206.15)(206.33)(206.51)(206.69)(206.87)(207.05)(207.23)(207.41)(207.59)(207.77)(207.95)(208.13)(208.31)(208.49)(208.67)(208.85)(209.03)(209.21)(209.39)(209.57)(209.75)(209.93)(210.11)(210.29)(210.47)(210.65)(210.83)(211.01)(211.19)(211.37)(211.55)(211.73)(211.91)(212.09)(212.27)(212.45)(212.63)(212.81)(212.99)(213.17)(213.35)(213.53)(213.71)(213.89)(214.07)(214.25)(214.43)(214.61)(214.79)(214.97)(215.15)(215.33)(215.51)(215.69)(215.87)(216.05)(216.23)(216.41)(216.59)(216.77)(216.95)(217.13)(217.31)(217.49)(217.67)(217.85)(218.03)(218.21)(218.39)(218.57)(218.75)(218.93)(219.11)(219.29)(219.47)(219.65)(219.83)(219.99)(220.17)(220.35)(220.53)(220.71)(220.89)(221.07)(221.25)(221.43)(221.61)(221.79)(221.97)(222.15)(222.33)(222.51)(222.69)(222.87)(223.05)(223.23)(223.41)(223.59)(223.77)(223.95)(224.13)(224.31)(224.49)(224.67)(224.85)(225.03)(225.21)(225.39)(225.57)(225.75)(225.93)(226.11)(226.29)(226.47)(226.65)(226.83)(227.01)(227.19)(227.37)(227.55)(227.73)(227.91)(228.09)(228.27)(228.45)(228.63)(228.81)(228.99)(229.17)(229.35)(229.53)(229.71)(229.89)(230.07)(230.25)(230.43)(230.61)(230.79)(230.97)(231.15)(231.33)(231.51)(231.69)(231.87)(232.05)(232.23)(232.41)(232.59)(232.77)(232.95)(233.13)(233.31)(233.49)(233.67)(233.85)(234.03)(234.21)(234.39)(234.57)(234.75)(234.93)(235.11)(235.29)(235.47)(235.65)(235.83)(236.01)(236.19)(236.37)(236.55)(236.73)(236.91)(237.09)(237.27)(237.45)(237.63)(237.81)(237.99)(238.17)(238.35)(238.53)(238.71)(238.89)(239.07)(239.25)(239.43)(239.61)(239.79)(239.97)(240.15)(240.33)(240.51)(240.69)(240.87)(241.05)(241.23)(241.41)(241.59)(241.77)(241.95)(242.13)(242.31)(242.49)(242.67)(242.85)(243.03)(243.21)(243.39)(243.57)(243.75)(243.93)(244.11)(244.29)(244.47)(244.65)(244.83)(245.01)(245.19)(245.37)(245.55)(245.73)(245.91)(246.09)(246.27)(246.45)(246.63)(246.81)(246.99)(247.17)(247.35)(247.53)(247.71)(247.89)(248.07)(248.25)(248.43)(248.61)(248.79)(248.97)(249.15)(249.33)(249.51)(249.69)(249.87)(250.05)(250.23)(250.41)(250.59)(250.77)(250.95)(251.13)(251.31)(251.49)(251.67)(251.85)(252.03)(252.21)(252.39)(252.57)(252.75)(252.93)(253.11)(253.29)(253.47)(253.65)(253.83)(254.01)(254.19)(254.37)(254.55)(254.73)(254.91)(255.09)(255.27)(255.45)(255.63)(255.81)(255.99)(256.17)(256.35)(256.53)(256.71)(256.89)(257.07)(257.25)(257.43)(257.61)(257.79)(257.97)(258.15)(258.33)(258.51)(258.69)(258.87)(259.05)(259.23)(259.41)(259.59)(259.77)(259.95)(260.13)(260.31)(260.49)(260.67)(260.85)(261.03)(261.21)(261.39)(261.57)(261.75)(261.93)(262.11)(262.29)(262.47)(262.65)(262.83)(263.01)(263.19)(263.37)(263.55)(263.73)(263.91)(264.09)(264.27)(264.45)(264.63)(264.81)(264.99)(265.17)(265.35)(265.53)(265.71)(265.89)(266.07)(266.25)(266.43)(266.61)(266.79)(266.97)(267.15)(267.33)(267.51)(267.69)(267.87)(268.05)(268.23)(268.41)(268.59)(268.77)(268.95)(269.13)(269.31)(269.49)(269.67)(269.85)(269.99)(270.17)(270.35)(270.53)(270.71)(270.89)(271.07)(271.25)(271.43)(271.61)(271.79)(271.97)(272.15)(272.33)(272.51)(272.69)(272.87)(273.05)(273.23)(273.41)(273.59)(273.77)(273.95)(274.13)(274.31)(274.49)(274.67)(274.85)(275.03)(275.21)(275.39)(275.57)(275.75)(275.93)(276.11)(276.29)(276.47)(276.65)(276.83)(277.01)(277.19)(277.37)(277.55)(277.73)(277.91)(278.09)(278.27)(278.45)(278.63)(278.81)(278.99)(279.17)(279.35)(279.53)(279.71)(279.89)(280.07)(280.25)(280.43)(280.61)(280.79)(280.97)(281.15)(281.33)(281.51)(281.69)(281.87)(282.05)(282.23)(282.41)(282.59)(282.77)(282.95)(283.13)(283.31)(283.49)(283.67)(283.85)(284.03)(284.21)(284.39)(284.57)(284.75)(284.93)(285.11)(285.29)(285.47)(285.65)(285.83)(286.01)(286.19)(286.37)(286.55)(286.73)(286.91)(287.09)(287.27)(287.45)(287.63)(287.81)(287.99)(288.17)(288.35)(288.53)(288.71)(288.89)(289.07)(289.25)(289.43)(289.61)(289.79)(289.97)(290.15)(290.33)(290.51)(290.69)(290.87)(291.05)(291.23)(291.41)(291.59)(291.77)(291.95)(292.13)(292.31)(292.49)(292.67)(292.85)(293.03)(293.21)(293.39)(293.57)(293.75)(293.93)(294.11)(294.29)(294.47)(294.65)(294.83)(295.01)(295.19)(295.37)(295.55)(295.73)(295.91)(296.09)(296.27)(296.45)(296.63)(296.81)(296.99)(297.17)(297.35)(297.53)(297.71)(297.89)(298.07)(298.25)(298.43)(298.61)(298.79)(298.97)(299.15)(299.33)(299.51)(299.69 | | | | | | | | | | | |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
 MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| RDG. NO. | NO. EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|----|
| RADIAL (12. M) | 100 | 96.4 | 76.4 | 84.7 | 79.7 | 82.3 | 83.7 | 83.8 | 84.5 | 85.7 | 86.5 | 86.9 | 88.9 | 129.2 | | | | | | |
| VEHICLE CELL41 | 125 | 96.8 | 75.1 | 79.9 | 78.9 | 81.2 | 82.6 | 84.5 | 84.7 | 86.1 | 84.2 | 82.1 | 90.1 | 129.1 | | | | | | |
| CONFIG NC53 | 160 | 99.4 | 75.4 | 77.2 | 78.0 | 78.8 | 79.9 | 81.0 | 83.0 | 83.2 | 84.7 | 87.2 | 90.1 | 130.6 | | | | | | |
| LOC C41 ANECH CH | 200 | 103.5 | 77.5 | 78.0 | 77.8 | 78.9 | 80.8 | 81.7 | 83.1 | 85.8 | 87.6 | 88.6 | 92.8 | 134.3 | | | | | | |
| DATE 06-08-76 | 250 | 104.6 | 76.3 | 80.1 | 79.4 | 79.0 | 81.1 | 83.0 | 85.4 | 87.1 | 88.7 | 90.4 | 96.3 | 135.5 | | | | | | |
| RUN CONF7HIGHFLW | 315 | 106.2 | 78.4 | 82.2 | 79.0 | 82.6 | 84.7 | 85.1 | 85.7 | 88.2 | 91.0 | 91.7 | 97.1 | 137.1 | | | | | | |
| TAPE XG7610 | 400 | 106.2 | 80.0 | 81.5 | 81.8 | 82.3 | 83.7 | 85.6 | 86.5 | 89.2 | 92.0 | 94.2 | 99.7 | 137.4 | | | | | | |
| BAR 29.4 HG | 500 | 105.5 | 80.5 | 81.8 | 80.8 | 82.9 | 84.5 | 86.2 | 87.1 | 90.0 | 93.1 | 95.8 | 100.0 | 137.1 | | | | | | |
| (99381. N/M2) | 630 | 104.1 | 82.1 | 83.1 | 82.2 | 84.5 | 85.6 | 87.5 | 88.7 | 90.9 | 94.0 | 96.7 | 99.6 | 136.4 | | | | | | |
| TAMB 66. DEG F | 800 | 102.4 | 83.2 | 84.7 | 83.4 | 84.8 | 87.2 | 88.5 | 90.2 | 92.4 | 95.5 | 97.7 | 100.4 | 136.0 | | | | | | |
| (292. DEG K) | 1000 | 101.0 | 84.2 | 85.7 | 84.8 | 85.9 | 87.5 | 88.9 | 90.8 | 93.7 | 95.6 | 97.8 | 99.7 | 135.5 | | | | | | |
| TWET 61. DEG F | 1250 | 101.3 | 84.1 | 85.1 | 85.4 | 86.0 | 87.3 | 89.5 | 90.6 | 93.8 | 96.6 | 97.4 | 98.5 | 135.6 | | | | | | |
| (289. DEG K) | 1600 | 101.9 | 85.2 | 87.4 | 85.7 | 86.6 | 88.2 | 90.3 | 91.5 | 93.4 | 96.5 | 97.7 | 98.1 | 136.0 | | | | | | |
| HACT11.85 GM/M3 | 2000 | 101.2 | 85.5 | 87.7 | 87.0 | 86.8 | 88.5 | 89.6 | 91.5 | 94.2 | 96.1 | 96.8 | 96.7 | 135.6 | | | | | | |
| (.01186 KG/M3) | 2500 | 101.3 | 85.8 | 88.3 | 87.4 | 87.2 | 87.6 | 89.2 | 90.6 | 93.6 | 96.9 | 96.1 | 94.8 | 135.5 | | | | | | |
| FREQ. SHIFT | 3150 | 102.2 | 86.0 | 88.3 | 86.6 | 86.4 | 88.3 | 88.9 | 90.8 | 94.3 | 96.9 | 95.6 | 94.0 | 135.9 | | | | | | |
| JET G | 4000 | 101.8 | 85.1 | 86.6 | 85.1 | 86.5 | 87.1 | 89.0 | 90.4 | 93.6 | 95.7 | 94.6 | 91.8 | 135.3 | | | | | | |
| DIAMETER RATIO | 5000 | 102.9 | 86.5 | 87.5 | 84.8 | 86.3 | 87.5 | 88.8 | 89.8 | 93.7 | 95.6 | 93.0 | 90.9 | 135.8 | | | | | | |
| DF/DN 1.00 | 6300 | 103.7 | 86.8 | 87.8 | 85.3 | 86.4 | 87.5 | 89.4 | 90.6 | 92.6 | 95.4 | 92.4 | 89.8 | 136.4 | | | | | | |
| | 8000 | 103.0 | 86.8 | 87.7 | 84.7 | 86.7 | 88.1 | 89.2 | 90.7 | 92.4 | 94.3 | 92.2 | 88.8 | 136.1 | | | | | | |
| | 10000 | 102.9 | 84.5 | 87.6 | 85.1 | 86.7 | 88.5 | 88.7 | 89.4 | 91.9 | 93.8 | 91.0 | 87.6 | 136.2 | | | | | | |
| | 12500 | 101.4 | 83.0 | 85.7 | 83.7 | 85.2 | 87.3 | 87.5 | 89.2 | 89.6 | 90.9 | 89.1 | 85.9 | 135.1 | | | | | | |
| | 16000 | 100.2 | 81.4 | 84.7 | 82.3 | 84.1 | 86.2 | 86.6 | 89.1 | 88.2 | 90.4 | 86.8 | 84.3 | 134.7 | | | | | | |
| | 20000 | 97.8 | 78.5 | 81.6 | 80.3 | 81.8 | 84.9 | 84.8 | 87.5 | 86.5 | 88.0 | 83.0 | 79.8 | 133.5 | | | | | | |
| | 25000 | 94.9 | 76.5 | 80.6 | 76.8 | 79.6 | 81.6 | 82.0 | 83.1 | 83.9 | 85.8 | 79.2 | 78.1 | 132.1 | | | | | | |
| | 31500 | 91.5 | 74.8 | 78.9 | 76.9 | 79.1 | 81.5 | 81.1 | 83.4 | 82.0 | 82.2 | 75.8 | 73.2 | 131.8 | | | | | | |
| | 40000 | 87.1 | 70.4 | 76.5 | 75.0 | 77.5 | 79.0 | 79.8 | 81.7 | 80.4 | 80.0 | 72.4 | 68.3 | 132.1 | | | | | | |
| | 50000 | 78.3 | 64.0 | 70.7 | 69.1 | 71.3 | 71.2 | 73.3 | 73.9 | 74.5 | 74.5 | 66.2 | 61.7 | 129.2 | | | | | | |
| | 63000 | 69.9 | 57.0 | 62.4 | 60.8 | 62.8 | 62.7 | 64.8 | 64.6 | 66.0 | 67.2 | 57.6 | 53.0 | 127.1 | | | | | | |
| | 80000 | 62.8 | 48.5 | 55.1 | 53.3 | 54.2 | 54.5 | 57.5 | 58.0 | 58.4 | 60.7 | 49.8 | 43.4 | 129.1 | | | | | | |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 116.5 | 97.3 | 99.4 | 97.7 | 98.8 | 100.3 | 101.6 | 103.0 | 105.4 | 107.7 | 108.0 | 109.7 | | | | | | | |
| PNOB | | 127.7 | 109.9 | 111.9 | 110.3 | 111.0 | 112.5 | 113.6 | 115.1 | 118.1 | 120.5 | 120.0 | 119.9 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 76/ ACQUSTIC RANGE 12.2m(40ft.) ARC MODEL-154cm²(23.9in²) SIZE

+ 80° spectra missing, see repeat data point

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIAN)

| | 40. | 50. | 60. | 70. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | (7.73) | (0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.79) | (2.79) | (2.79) | (2.79) | (2.79) |
| RDG. NO. C. | 50 | 106.4 | 78.2 | 81.9 | 81.2 | 80.3 | 82.9 | 84.8 | 87.2 | 88.9 | 90.5 | 92.2 | 98.1 | | | | 148.8 |
| RADIAL 150. FT. | 63 | 108.0 | 80.3 | 84.0 | 80.8 | 84.4 | 86.5 | 86.9 | 87.6 | 90.0 | 92.8 | 93.5 | 99.0 | | | | 150.4 |
| (46. M) | 80 | 108.0 | 81.8 | 83.3 | 83.6 | 84.2 | 85.5 | 87.4 | 88.3 | 91.0 | 93.9 | 96.1 | 101.5 | | | | 150.7 |
| VEHICLE CELL41 | 100 | 107.4 | 82.4 | 83.6 | 82.7 | 84.8 | 86.4 | 88.0 | 88.9 | 91.9 | 94.9 | 97.7 | 101.8 | | | | 150.4 |
| CONFIG NC53 | 125 | 106.0 | 84.0 | 85.0 | 84.0 | 86.4 | 87.5 | 89.4 | 90.5 | 92.7 | 95.8 | 98.5 | 101.4 | | | | 149.7 |
| LOC C41 ANECH CH | 160 | 104.2 | 85.0 | 86.5 | 85.3 | 86.6 | 87.7 | 89.3 | 90.7 | 92.6 | 95.6 | 97.4 | 101.5 | | | | 149.9 |
| DATE C6-08-76 | 200 | 102.8 | 86.1 | 87.6 | 86.6 | 87.7 | 89.3 | 90.7 | 92.6 | 95.6 | 97.4 | 99.6 | 101.5 | | | | 148.9 |
| RUN CONF7HIGHFLW | 250 | 103.1 | 85.9 | 86.9 | 87.2 | 87.8 | 89.2 | 90.2 | 91.3 | 92.5 | 95.7 | 98.5 | 100.4 | | | | 143.9 |
| TAPE X07613 | 315 | 103.7 | 87.0 | 89.3 | 87.6 | 88.4 | 90.0 | 92.2 | 93.3 | 95.3 | 98.4 | 99.6 | 100.0 | | | | 149.3 |
| BAR 29.4 HG | 400 | 103.0 | 87.3 | 89.6 | 88.9 | 88.7 | 90.3 | 91.5 | 93.4 | 96.1 | 97.9 | 98.6 | 98.5 | | | | 148.9 |
| (99381. W/M2) | 500 | 103.2 | 87.7 | 90.2 | 89.2 | 89.1 | 89.5 | 91.1 | 92.5 | 95.5 | 98.8 | 98.0 | 96.7 | | | | 148.8 |
| TAMB 66. DEG F | 630 | 104.2 | 88.0 | 90.2 | 88.5 | 88.3 | 90.2 | 90.8 | 92.8 | 96.2 | 98.7 | 97.6 | 93.8 | | | | 149.2 |
| (292. DEG K) | 800 | 103.7 | 87.0 | 88.6 | 87.1 | 88.4 | 89.0 | 90.9 | 92.3 | 95.6 | 97.7 | 96.6 | 95.9 | | | | 148.5 |
| TWET 61. DEG F | 1000 | 104.9 | 88.4 | 89.5 | 87.7 | 88.3 | 89.4 | 90.8 | 91.7 | 95.7 | 97.6 | 95.0 | 92.9 | | | | 149.1 |
| (289. DEG K) | 1250 | 105.8 | 88.9 | 89.9 | 87.4 | 88.5 | 89.6 | 91.5 | 92.7 | 94.6 | 97.5 | 94.4 | 91.8 | | | | 149.7 |
| HACT11.86 GM/M3 | 1600 | 105.2 | 89.1 | 89.9 | 86.9 | 89.0 | 90.3 | 91.5 | 92.9 | 94.6 | 96.5 | 94.4 | 91.1 | | | | 149.4 |
| (.01186 KG/M3) | 2000 | 105.4 | 87.0 | 90.1 | 87.6 | 89.1 | 91.0 | 91.1 | 91.8 | 94.3 | 96.2 | 93.4 | 90.0 | | | | 149.5 |
| FREQ. SHIFT | 2500 | 104.2 | 85.8 | 88.5 | 86.5 | 88.0 | 90.1 | 90.3 | 92.0 | 92.4 | 93.7 | 91.9 | 88.7 | | | | 148.6 |
| DIAMETER RATIO | 3150 | 103.6 | 84.8 | 88.0 | 85.7 | 87.5 | 89.6 | 90.0 | 92.4 | 91.6 | 93.8 | 90.1 | 87.6 | | | | 148.1 |
| DF/Dm 4.63 | 4000 | 101.9 | 82.6 | 85.6 | 84.3 | 85.8 | 88.9 | 88.8 | 91.6 | 90.5 | 92.1 | 87.1 | 83.8 | | | | 146.8 |
| OVERALL CALCULATED | 5000 | 100.3 | 81.9 | 85.9 | 82.2 | 84.9 | 87.0 | 87.3 | 88.4 | 89.3 | 91.1 | 84.6 | 83.4 | | | | 145.4 |
| | 6300 | 98.4 | 81.8 | 85.8 | 83.9 | 86.0 | 88.4 | 88.0 | 90.4 | 89.0 | 89.1 | 82.7 | 80.1 | | | | 145.1 |
| | 8020 | 96.3 | 79.7 | 85.7 | 84.2 | 86.8 | 88.3 | 89.0 | 91.0 | 89.7 | 89.2 | 81.7 | 77.5 | | | | 145.4 |
| | 10000 | 90.7 | 76.3 | 83.0 | 81.4 | 83.6 | 85.3 | 85.6 | 86.2 | 86.8 | 86.8 | 78.5 | 74.0 | | | | 142.5 |
| | 12500 | 86.7 | 73.7 | 79.2 | 77.6 | 79.6 | 79.5 | 81.6 | 81.3 | 82.7 | 84.0 | 74.4 | 69.8 | | | | 140.6 |
| | 16000 | 85.9 | 71.7 | 78.2 | 76.4 | 77.3 | 77.6 | 80.6 | 81.2 | 81.5 | 83.8 | 72.9 | 66.5 | | | | 142.4 |
| | | | | | | | | | | | | | | | | | 162.6 |
| PNDR | 129.0 | 110.7 | 113.5 | 111.5 | 113.0 | 114.9 | 115.6 | 117.5 | 118.2 | 120.3 | 118.2 | 117.1 | | | | | |
| OVERALL CALCULATED | 118.3 | 99.4 | 101.6 | 99.9 | 101.1 | 102.6 | 103.8 | 105.3 | 107.4 | 109.8 | 109.8 | 111.3 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 7 | 761 | 45.7m(150ft.) ARC | FULL - 33m ² (5131n ²) |

+ 80° spectra missing, see repeat data point

PROC. DATE - MONTH 3 DAY 26 HR. 18.5

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 180. | 0. | 90. | 180. | 0. | |
| | | FREQ. | (0.73) | (0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | |
| NO EGA | | 50 | 78.2 | 51.6 | 56.4 | 56.4 | 56.6 | 58.5 | 50.0 | 61.7 | 62.3 | 62.3 | 61.8 | 64.2 | | | | | |
| SIDELINE 2400. FT. | | 63 | 79.7 | 53.6 | 58.5 | 56.0 | 60.1 | 62.1 | 62.1 | 62.0 | 63.4 | 64.6 | 63.0 | 65.0 | | | | | |
| (731.52 M) | | 80 | 79.7 | 55.1 | 57.7 | 58.7 | 59.8 | 61.1 | 62.5 | 62.7 | 64.3 | 65.5 | 65.4 | 67.3 | | | | | |
| NFA | | 100 | 78.9 | 55.6 | 57.9 | 57.7 | 60.4 | 61.8 | 63.0 | 63.2 | 65.1 | 66.5 | 66.9 | 67.5 | | | | | |
| (1. RPM) | | 125 | 77.4 | 57.0 | 59.2 | 59.0 | 61.9 | 62.9 | 64.3 | 64.7 | 65.8 | 67.2 | 67.6 | 66.8 | | | | | |
| (C. RAD/SEC) | | 160 | 75.5 | 57.9 | 60.6 | 60.1 | 62.0 | 64.3 | 65.2 | 66.1 | 67.2 | 68.6 | 68.4 | 67.2 | | | | | |
| NFK | | 200 | 73.8 | 58.8 | 61.5 | 61.3 | 63.0 | 64.5 | 65.4 | 66.5 | 68.3 | 68.5 | 68.2 | 66.2 | | | | | |
| (1. RPM) | | 250 | 73.9 | 58.4 | 60.7 | 61.7 | 62.9 | 64.1 | 65.3 | 66.2 | 68.2 | 69.3 | 67.4 | 64.5 | | | | | |
| (C. RAD/SEC) | | 315 | 74.2 | 59.3 | 62.8 | 61.9 | 63.3 | 64.8 | 66.4 | 66.8 | 67.5 | 68.8 | 67.4 | 63.5 | | | | | |
| NFD | | 400 | 73.1 | 59.2 | 62.7 | 62.9 | 63.3 | 64.8 | 65.5 | 66.5 | 68.0 | 67.9 | 65.8 | 61.2 | | | | | |
| (785. RAD/SEC) | | 500 | 72.6 | 59.1 | 63.0 | 62.9 | 63.4 | 63.6 | 64.7 | 65.3 | 66.9 | 68.3 | 64.5 | 58.3 | | | | | |
| AIRFLOW RATIO | | 630 | 73.0 | 58.8 | 62.5 | 61.7 | 62.2 | 63.9 | 64.0 | 65.0 | 67.1 | 67.6 | 63.1 | 56.2 | | | | | |
| WF/W 4.63 | | 800 | 71.6 | 57.1 | 60.2 | 59.7 | 61.7 | 62.1 | 63.5 | 63.9 | 65.7 | 65.5 | 61.1 | 52.3 | | | | | |
| VEHICLE | | 1000 | 71.7 | 57.6 | 60.3 | 58.6 | 60.9 | 61.8 | 62.7 | 62.5 | 64.9 | 64.4 | 58.1 | 49.4 | | | | | |
| CELL 41 | | 1250 | 71.2 | 56.9 | 59.7 | 58.3 | 60.2 | 61.2 | 62.4 | 62.5 | 62.7 | 63.0 | 55.7 | 45.7 | | | | | |
| NC53 | | 1600 | 68.7 | 55.5 | 58.3 | 56.5 | 59.5 | 60.6 | 61.1 | 61.3 | 61.1 | 60.0 | 53.2 | 41.3 | | | | | |
| LOC C41 ANECH CH | | 2000 | 66.6 | 51.5 | 56.8 | 55.7 | 58.2 | 59.8 | 59.2 | 58.5 | 58.9 | 57.5 | 49.2 | 35.8 | | | | | |
| DATE 06-08-76 | | 2500 | 62.1 | 47.6 | 52.8 | 52.3 | 55.0 | 56.8 | 56.1 | 56.2 | 54.2 | 51.6 | 43.3 | 28.0 | | | | | |
| RUN CONF7HIGHFLW | | 3150 | 56.1 | 42.0 | 48.3 | 47.9 | 51.1 | 52.8 | 52.2 | 52.8 | 48.8 | 46.2 | 34.6 | 16.6 | | | | | |
| TAPE X07610 | | 4000 | 46.2 | 33.1 | 40.0 | 41.1 | 44.4 | 47.0 | 45.6 | 46.0 | 41.1 | 36.5 | 21.1 | | | | | | |
| FAN TIP SPEED | | 5000 | 40.0 | 28.5 | 36.9 | 35.8 | 40.5 | 42.1 | 40.9 | 39.4 | 35.9 | 30.8 | 12.5 | | | | | | |
| FT/SEC | | 6300 | 24.4 | 17.0 | 26.8 | 28.3 | 33.0 | 34.8 | 32.4 | 31.3 | 24.2 | 15.1 | | | | | | | |
| | | 8000 | 1.2 | | 11.2 | 14.5 | 20.5 | 21.2 | 19.3 | 16.5 | 7.3 | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 87.9 | 69.6 | 72.8 | 72.3 | 73.9 | 75.2 | 76.2 | 76.7 | 78.1 | 78.9 | 77.3 | 75.9 | | | | | | |
| PNDB | | 91.3 | 75.6 | 79.3 | 78.6 | 80.9 | 82.4 | 82.5 | 82.8 | 83.4 | 83.5 | 80.0 | 75.5 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 76/ ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

+ 80° spectra missing, see repeat data point

PROC. DATE - MONTH 5 DAY 26 HR. 10.1
F, 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIANS)

| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000. 1010. 1020. 1030. 1040. 1050. 1060. 1070. 1080. 1090. 1100. 1110. 1120. 1130. 1140. 1150. 1160. 1170. 1180. 1190. 1200. 1210. 1220. 1230. 1240. 1250. 1260. 1270. 1280. 1290. 1300. 1310. 1320. 1330. 1340. 1350. 1360. 1370. 1380. 1390. 1400. 1410. 1420. 1430. 1440. 1450. 1460. 1470. 1480. 1490. 1500. 1510. 1520. 1530. 1540. 1550. 1560. 1570. 1580. 1590. 1600. 1610. 1620. 1630. 1640. 1650. 1660. 1670. 1680. 1690. 1700. 1710. 1720. 1730. 1740. 1750. 1760. 1770. 1780. 1790. 1800. 1810. 1820. 1830. 1840. 1850. 1860. 1870. 1880. 1890. 1900. 1910. 1920. 1930. 1940. 1950. 1960. 1970. 1980. 1990. 2000. 2010. 2020. 2030. 2040. 2050. 2060. 2070. 2080. 2090. 2100. 2110. 2120. 2130. 2140. 2150. 2160. 2170. 2180. 2190. 2200. 2210. 2220. 2230. 2240. 2250. 2260. 2270. 2280. 2290. 2300. 2310. 2320. 2330. 2340. 2350. 2360. 2370. 2380. 2390. 2400. 2410. 2420. 2430. 2440. 2450. 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540. 2550. 2560. 2570. 2580. 2590. 2600. 2610. 2620. 2630. 2640. 2650. 2660. 2670. 2680. 2690. 2700. 2710. 2720. 2730. 2740. 2750. 2760. 2770. 2780. 2790. 2800. 2810. 2820. 2830. 2840. 2850. 2860. 2870. 2880. 2890. 2900. 2910. 2920. 2930. 2940. 2950. 2960. 2970. 2980. 2990. 3000. 3010. 3020. 3030. 3040. 3050. 3060. 3070. 3080. 3090. 3100. 3110. 3120. 3130. 3140. 3150. 3160. 3170. 3180. 3190. 3200. 3210. 3220. 3230. 3240. 3250. 3260. 3270. 3280. 3290. 3300. 3310. 3320. 3330. 3340. 3350. 3360. 3370. 3380. 3390. 3400. 3410. 3420. 3430. 3440. 3450. 3460. 3470. 3480. 3490. 3500. 3510. 3520. 3530. 3540. 3550. 3560. 3570. 3580. 3590. 3600. 3610. 3620. 3630. 3640. 3650. 3660. 3670. 3680. 3690. 3700. 3710. 3720. 3730. 3740. 3750. 3760. 3770. 3780. 3790. 3800. 3810. 3820. 3830. 3840. 3850. 3860. 3870. 3880. 3890. 3900. 3910. 3920. 3930. 3940. 3950. 3960. 3970. 3980. 3990. 4000. 4010. 4020. 4030. 4040. 4050. 4060. 4070. 4080. 4090. 4100. 4110. 4120. 4130. 4140. 4150. 4160. 4170. 4180. 4190. 4200. 4210. 4220. 4230. 4240. 4250. 4260. 4270. 4280. 4290. 4300. 4310. 4320. 4330. 4340. 4350. 4360. 4370. 4380. 4390. 4400. 4410. 4420. 4430. 4440. 4450. 4460. 4470. 4480. 4490. 4500. 4510. 4520. 4530. 4540. 4550. 4560. 4570. 4580. 4590. 4600. 4610. 4620. 4630. 4640. 4650. 4660. 4670. 4680. 4690. 4700. 4710. 4720. 4730. 4740. 4750. 4760. 4770. 4780. 4790. 4800. 4810. 4820. 4830. 4840. 4850. 4860. 4870. 4880. 4890. 4900. 4910. 4920. 4930. 4940. 4950. 4960. 4970. 4980. 4990. 5000. 5010. 5020. 5030. 5040. 5050. 5060. 5070. 5080. 5090. 5100. 5110. 5120. 5130. 5140. 5150. 5160. 5170. 5180. 5190. 5200. 5210. 5220. 5230. 5240. 5250. 5260. 5270. 5280. 5290. 5300. 5310. 5320. 5330. 5340. 5350. 5360. 5370. 5380. 5390. 5400. 5410. 5420. 5430. 5440. 5450. 5460. 5470. 5480. 5490. 5500. 5510. 5520. 5530. 5540. 5550. 5560. 5570. 5580. 5590. 5600. 5610. 5620. 5630. 5640. 5650. 5660. 5670. 5680. 5690. 5700. 5710. 5720. 5730. 5740. 5750. 5760. 5770. 5780. 5790. 5800. 5810. 5820. 5830. 5840. 5850. 5860. 5870. 5880. 5890. 5900. 5910. 5920. 5930. 5940. 5950. 5960. 5970. 5980. 5990. 6000. 6010. 6020. 6030. 6040. 6050. 6060. 6070. 6080. 6090. 6100. 6110. 6120. 6130. 6140. 6150. 6160. 6170. 6180. 6190. 6200. 6210. 6220. 6230. 6240. 6250. 6260. 6270. 6280. 6290. 6300. 6310. 6320. 6330. 6340. 6350. 6360. 6370. 6380. 6390. 6400. 6410. 6420. 6430. 6440. 6450. 6460. 6470. 6480. 6490. 6500. 6510. 6520. 6530. 6540. 6550. 6560. 6570. 6580. 6590. 6600. 6610. 6620. 6630. 6640. 6650. 6660. 6670. 6680. 6690. 6700. 6710. 6720. 6730. 6740. 6750. 6760. 6770. 6780. 6790. 6800. 6810. 6820. 6830. 6840. 6850. 6860. 6870. 6880. 6890. 6900. 6910. 6920. 6930. 6940. 6950. 6960. 6970. 6980. 6990. 7000. | |
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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 762 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

PROC. DATE - MONTH 3 DAY 25 HR. 21.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | NO EGA | FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | PWL |
|--------------------|--------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| 63 | 78.6 | 80.9 | 82.4 | 82.0 | 83.6 | 84.9 | 87.1 | 87.5 | 89.7 | 95.0 | 101.7 | 103.1 | 105.2 | 109.1 | 149.1 |
| 80 | 78.5 | 83.3 | 82.3 | 84.1 | 86.4 | 87.3 | 88.2 | 89.1 | 92.0 | 97.3 | 103.5 | 106.0 | 107.3 | 151.4 | 151.4 |
| 80 | 80.5 | 82.8 | 84.3 | 84.3 | 86.2 | 87.5 | 88.7 | 90.3 | 93.1 | 99.6 | 106.1 | 107.5 | 107.8 | 153.0 | 153.0 |
| 100 | 80.9 | 82.9 | 84.6 | 84.9 | 86.5 | 88.4 | 89.5 | 91.2 | 94.6 | 101.0 | 106.7 | 108.8 | 108.1 | 153.8 | 153.8 |
| 125 | 82.2 | 84.5 | 85.5 | 86.8 | 88.1 | 89.2 | 90.9 | 92.0 | 95.0 | 101.6 | 107.0 | 109.4 | 108.5 | 154.4 | 154.4 |
| 160 | 83.7 | 85.5 | 86.8 | 87.8 | 89.1 | 91.0 | 92.1 | 93.3 | 97.0 | 101.8 | 107.0 | 108.5 | 107.2 | 154.0 | 154.0 |
| 200 | 85.3 | 87.6 | 88.3 | 89.1 | 90.0 | 91.3 | 92.7 | 94.1 | 97.6 | 101.9 | 105.4 | 105.0 | 105.8 | 152.4 | 152.4 |
| 250 | 84.6 | 86.9 | 89.2 | 88.7 | 90.1 | 91.7 | 92.6 | 94.7 | 98.2 | 101.5 | 103.7 | 104.6 | 103.2 | 151.5 | 151.5 |
| 315 | 85.5 | 88.3 | 88.5 | 89.1 | 90.7 | 93.3 | 93.4 | 94.8 | 98.3 | 101.1 | 102.6 | 101.8 | 101.5 | 150.6 | 150.6 |
| 400 | 85.5 | 87.6 | 89.6 | 88.9 | 91.2 | 92.3 | 93.7 | 95.4 | 97.8 | 100.4 | 100.9 | 99.9 | 97.8 | 149.5 | 149.5 |
| 500 | 93.7 | 96.5 | 99.0 | 94.5 | 94.6 | 93.7 | 94.6 | 98.0 | 100.2 | 100.8 | 101.0 | 98.7 | 98.0 | 151.5 | 151.5 |
| 630 | 87.9 | 91.2 | 92.0 | 89.3 | 92.3 | 92.5 | 93.6 | 94.8 | 98.0 | 99.8 | 98.0 | 95.7 | 93.7 | 148.7 | 148.7 |
| 800 | 84.5 | 86.3 | 87.8 | 88.3 | 89.9 | 90.8 | 92.7 | 94.6 | 96.8 | 98.2 | 96.1 | 93.3 | 91.0 | 147.1 | 147.1 |
| 1000 | 83.9 | 86.2 | 87.5 | 89.0 | 89.3 | 91.4 | 92.1 | 94.2 | 96.5 | 96.1 | 94.8 | 92.9 | 91.2 | 146.4 | 146.4 |
| 1250 | 83.3 | 85.9 | 87.4 | 87.9 | 90.0 | 91.4 | 92.7 | 93.7 | 96.1 | 95.5 | 93.9 | 94.6 | 93.4 | 146.4 | 146.4 |
| 1600 | 82.5 | 84.6 | 85.1 | 87.1 | 89.2 | 91.1 | 93.2 | 93.9 | 95.4 | 95.3 | 93.2 | 93.8 | 93.6 | 145.9 | 145.9 |
| 2000 | 80.6 | 84.5 | 84.6 | 86.1 | 88.9 | 89.7 | 91.9 | 92.1 | 94.8 | 94.5 | 92.4 | 94.0 | 93.7 | 145.3 | 145.3 |
| 2500 | 78.9 | 82.9 | 83.5 | 85.5 | 87.5 | 88.4 | 91.0 | 90.6 | 93.0 | 92.2 | 90.6 | 92.9 | 93.1 | 144.3 | 144.3 |
| 3150 | 78.5 | 82.0 | 82.7 | 84.9 | 86.9 | 87.5 | 91.2 | 89.4 | 92.5 | 91.0 | 89.3 | 92.6 | 92.5 | 143.6 | 143.6 |
| 4000 | 76.7 | 80.2 | 81.1 | 82.3 | 85.5 | 85.6 | 89.3 | 87.1 | 89.6 | 87.7 | 85.8 | 87.0 | 87.6 | 141.1 | 141.1 |
| 5000 | 75.3 | 79.9 | 79.8 | 81.6 | 83.3 | 83.5 | 85.5 | 84.9 | 88.3 | 84.7 | 84.3 | 82.8 | 85.6 | 139.0 | 139.0 |
| 6300 | 75.5 | 80.3 | 81.0 | 82.2 | 83.7 | 83.4 | 86.4 | 84.2 | 85.6 | 82.4 | 81.6 | 83.2 | 83.2 | 139.9 | 139.9 |
| 8000 | 73.3 | 79.4 | 82.0 | 83.3 | 83.4 | 83.1 | 86.1 | 82.3 | 83.3 | 81.0 | 78.8 | 79.9 | 79.9 | 138.9 | 138.9 |
| 10000 | 71.0 | 78.4 | 81.7 | 83.5 | 82.8 | 85.1 | 85.9 | 82.9 | 81.5 | 76.5 | 74.6 | 74.6 | 75.1 | 139.8 | 139.8 |
| 12500 | 70.3 | 76.8 | 81.0 | 81.1 | 79.4 | 82.0 | 84.4 | 81.9 | 81.5 | 75.7 | 73.2 | 72.1 | 73.1 | 139.9 | 139.9 |
| 16000 | 71.0 | 75.7 | 80.7 | 79.5 | 77.4 | 78.8 | 86.7 | 76.2 | 77.9 | 75.0 | 73.6 | 75.1 | 77.0 | 142.2 | 142.2 |
| OVERALL CALCULATED | | | 98.1 | 100.8 | 102.6 | 101.4 | 102.8 | 103.8 | 105.3 | 106.5 | 109.3 | 112.0 | 115.4 | 116.4 | 163.5 |
| P-DB | | | 107.6 | 110.7 | 112.3 | 111.6 | 113.4 | 114.2 | 116.6 | 116.4 | 119.0 | 119.5 | 120.1 | 120.5 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 762 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. (C.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3) | 50 | 49.5 | 54.3 | 56.9 | 57.2 | 59.2 | 60.7 | 62.7 | 62.7 | 64.2 | 68.4 | 73.5 | 72.7 |
| NO EGA | 63 | 50.2 | 56.6 | 58.7 | 59.2 | 62.0 | 63.0 | 63.7 | 64.2 | 66.5 | 70.7 | 75.3 | 75.5 |
| SIDELINE 2400. FT. (731.52 M) | 80 | 52.2 | 56.1 | 59.2 | 59.4 | 61.7 | 63.2 | 64.2 | 65.4 | 67.4 | 72.9 | 77.7 | 76.9 |
| NFA (0. RAD/SEC) | 100 | 52.4 | 56.1 | 58.9 | 60.0 | 62.0 | 64.0 | 65.0 | 66.2 | 68.9 | 74.1 | 78.2 | 78.1 |
| (1. RPM) | 125 | 53.6 | 57.5 | 59.7 | 61.7 | 63.5 | 64.7 | 66.2 | 67.0 | 70.2 | 74.6 | 78.4 | 78.5 |
| NFK (0. RAD/SEC) | 160 | 55.0 | 58.4 | 60.8 | 62.6 | 64.4 | 66.4 | 67.4 | 68.6 | 71.1 | 74.7 | 78.3 | 72.3 |
| (1. RPM) | 200 | 56.8 | 60.3 | 62.9 | 63.8 | 65.1 | 66.6 | 67.8 | 68.8 | 71.5 | 74.7 | 76.4 | 73.6 |
| NFD (0. RAD/SEC) | 250 | 55.4 | 59.5 | 62.9 | 63.2 | 65.0 | 66.8 | 67.5 | 69.2 | 71.9 | 74.0 | 74.5 | 72.6 |
| (7500. RPM) | 315 | 56.0 | 60.5 | 62.0 | 63.4 | 65.4 | 68.2 | 68.2 | 69.4 | 71.0 | 72.3 | 73.0 | 69.5 |
| AIRFLOW RATIO | 400 | 55.6 | 59.5 | 62.8 | 62.9 | 65.7 | 67.0 | 68.2 | 69.4 | 71.0 | 72.3 | 70.9 | 66.8 |
| WF/WM 4.63 | 500 | 63.1 | 67.9 | 71.7 | 68.1 | 68.7 | 68.0 | 68.7 | 71.6 | 73.0 | 72.3 | 70.5 | 65.2 |
| VEHICLE | 630 | 56.7 | 62.1 | 66.3 | 62.4 | 66.0 | 66.3 | 67.3 | 67.9 | 70.3 | 70.7 | 66.8 | 61.3 |
| CONFIG | 800 | 52.4 | 56.4 | 59.4 | 60.9 | 63.0 | 64.1 | 65.8 | 67.2 | 68.4 | 68.3 | 64.0 | 57.7 |
| LOC C41 ANECH CH | 1000 | 50.7 | 55.4 | 58.3 | 60.8 | 61.7 | 64.0 | 64.5 | 66.1 | 67.3 | 65.3 | 61.6 | 56.0 |
| DATE 06-10-76 | 1250 | 48.7 | 53.9 | 57.2 | 58.8 | 61.5 | 63.1 | 64.3 | 64.6 | 66.0 | 63.6 | 59.4 | 55.9 |
| RUN CONF7HIGHFLW | 1600 | 46.0 | 51.0 | 53.5 | 56.8 | 59.5 | 61.6 | 63.5 | 62.5 | 63.8 | 61.7 | 56.7 | 52.6 |
| TAPE X07620 | 2000 | 41.8 | 49.0 | 51.3 | 54.1 | 57.7 | 58.8 | 60.7 | 60.1 | 61.5 | 59.0 | 53.6 | 49.8 |
| FAN TIP SPEED | 2500 | 36.7 | 44.6 | 47.8 | 51.3 | 54.2 | 55.4 | 57.7 | 56.4 | 57.3 | 54.0 | 48.4 | 44.3 |
| FT/SEC | 3150 | 31.0 | 39.3 | 43.0 | 47.1 | 50.2 | 51.1 | 54.4 | 51.7 | 52.8 | 48.2 | 41.8 | 37.0 |
| | 4000 | 21.1 | 30.8 | 35.5 | 39.1 | 43.6 | 44.1 | 47.4 | 43.9 | 44.1 | 38.2 | 30.2 | 20.9 |
| | 5000 | 15.0 | 26.5 | 30.8 | 35.2 | 38.4 | 39.1 | 40.7 | 38.6 | 39.3 | 31.4 | 24.0 | 10.7 |
| | 6300 | 1.4 | 15.5 | 22.0 | 26.6 | 30.1 | 30.4 | 32.7 | 28.7 | 26.5 | 17.6 | 7.6 | |
| | 8000 | | 7.5 | 13.6 | 16.2 | 16.8 | 19.0 | 12.5 | 8.8 | | | | |
| | 10000 | | | | | 0.4 | | | | | | | |
| | 12500 | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | |
| OVERALL CALCULATED | 67.5 | 72.0 | 75.0 | 74.4 | 76.3 | 77.5 | 78.5 | 79.7 | 81.8 | 84.1 | 86.5 | 85.5 | 81.6 |
| PND8 | 73.0 | 78.2 | 81.5 | 80.8 | 82.7 | 83.4 | 84.8 | 85.8 | 87.5 | 87.6 | 87.6 | 85.4 | 79.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **762** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **762** SIZE **FULL-.33m²(513in²)**

[illegible][illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 763 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|----------------|---|
| 7 | 763 | 45.7m(150ft.) | FULL-33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (SQ. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| 50 | 50.5 | 55.6 | 58.1 | 58.2 | 60.4 | 62.2 | 64.9 | 64.7 | 65.9 |
| 63 | 51.7 | 58.4 | 57.5 | 60.7 | 63.7 | 64.5 | 65.5 | 66.2 | 68.5 |
| 80 | 54.2 | 58.1 | 60.9 | 61.4 | 63.2 | 63.7 | 65.2 | 66.2 | 72.7 |
| 100 | 54.7 | 57.8 | 60.4 | 61.7 | 63.5 | 65.7 | 66.7 | 68.0 | 73.9 |
| 125 | 55.6 | 59.0 | 61.2 | 63.0 | 65.0 | 66.7 | 68.0 | 69.2 | 72.2 |
| 160 | 57.2 | 60.4 | 62.3 | 63.9 | 66.1 | 67.4 | 69.1 | 70.1 | 73.6 |
| 200 | 59.8 | 62.8 | 64.3 | 65.3 | 67.1 | 68.3 | 69.6 | 70.8 | 73.8 |
| 250 | 57.7 | 61.9 | 65.2 | 65.2 | 66.8 | 69.0 | 70.3 | 71.7 | 73.9 |
| 315 | 61.4 | 67.8 | 69.0 | 68.1 | 67.9 | 71.2 | 70.2 | 71.1 | 73.8 |
| 400 | 58.8 | 63.2 | 66.5 | 65.4 | 67.4 | 68.7 | 69.9 | 70.9 | 73.3 |
| 500 | 62.4 | 66.1 | 71.7 | 68.1 | 70.0 | 68.5 | 71.0 | 71.1 | 74.2 |
| 630 | 56.7 | 61.1 | 63.0 | 63.4 | 66.5 | 67.3 | 68.5 | 69.9 | 72.5 |
| 800 | 55.1 | 58.4 | 61.4 | 63.2 | 66.5 | 66.6 | 67.8 | 69.2 | 73.7 |
| 1000 | 54.4 | 58.4 | 60.8 | 62.3 | 63.7 | 65.8 | 67.2 | 68.1 | 69.5 |
| 1250 | 53.7 | 57.4 | 59.2 | 61.4 | 63.8 | 65.4 | 67.1 | 66.6 | 68.0 |
| 1600 | 52.0 | 55.8 | 57.3 | 59.5 | 62.5 | 63.9 | 65.5 | 65.0 | 65.6 |
| 2000 | 47.3 | 53.6 | 55.8 | 57.9 | 61.2 | 61.1 | 63.0 | 62.9 | 63.6 |
| 2500 | 42.0 | 49.2 | 52.3 | 54.6 | 57.0 | 58.4 | 60.0 | 58.7 | 59.1 |
| 3150 | 35.5 | 43.4 | 47.4 | 50.9 | 53.3 | 53.9 | 56.5 | 54.2 | 54.4 |
| 4000 | 25.6 | 34.6 | 39.4 | 42.4 | 47.7 | 47.5 | 49.5 | 47.0 | 46.7 |
| 5000 | 19.4 | 30.6 | 34.4 | 38.1 | 42.8 | 43.0 | 43.0 | 42.2 | 42.2 |
| 6300 | 4.8 | 19.2 | 25.4 | 30.6 | 34.5 | 34.3 | 35.4 | 31.9 | 29.7 |
| 8000 | | | 9.8 | 16.3 | 20.2 | 21.3 | 21.2 | 16.1 | 12.1 |
| 10000 | | | | | 1.0 | 3.4 | 2.1 | | 1.7 |
| 12500 | | | | | | | | | |
| 16000 | | | | | | | | | |
| OVERALL CALCULATED | 69.4 | 74.2 | 76.7 | 76.2 | 78.0 | 79.3 | 80.5 | 81.4 | 83.9 |
| | 74.7 | 80.1 | 83.1 | 82.4 | 84.6 | 85.4 | 86.9 | 87.0 | 89.3 |
| | | | | | | | | | 86.2 |
| | | | | | | | | | 88.6 |
| | | | | | | | | | 84.7 |
| | | | | | | | | | 83.8 |
| | | | | | | | | | 84.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 763 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
F. 70 PERCENT REL. HUM. DAY - JENOTS)

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | NO. EGA | 40. C. | 50. C. | 60. C. | 70. C. | 80. C. | 90. C. | 100. C. | 110. C. | 120. C. | 130. C. | 140. C. | 150. C. | 160. C. | PWL |
|--------------------|---------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|-------|
| RADIAL 40. FT. | 100 | 78.6 | 87.9 | 85.2 | 87.0 | 89.8 | 88.2 | 88.5 | 89.2 | 89.4 | 91.5 | 95.4 | 95.6 | 98.2 | 133.0 |
| VEHICLE CELL41 | 125 | 77.3 | 82.1 | 84.1 | 86.4 | 89.5 | 89.4 | 89.2 | 90.4 | 88.4 | 87.7 | 96.6 | 98.8 | 99.9 | 134.0 |
| CONFIG NC53 | 150 | 77.6 | 80.4 | 84.2 | 84.5 | 88.8 | 84.9 | 84.8 | 86.5 | 87.9 | 93.5 | 97.7 | 99.6 | 102.4 | 134.8 |
| LOC C41 ANECH CH | 200 | 80.5 | 80.5 | 82.3 | 84.1 | 89.2 | 85.8 | 86.7 | 89.6 | 92.0 | 95.6 | 99.8 | 104.5 | 106.3 | 138.3 |
| DATE 06-08-76 | 250 | 79.1 | 82.8 | 84.1 | 84.1 | 88.7 | 86.8 | 89.0 | 91.1 | 92.6 | 97.4 | 103.9 | 106.5 | 107.8 | 140.4 |
| RUN CONF7HIGHFLW | 315 | 80.4 | 85.2 | 83.7 | 86.0 | 90.8 | 89.2 | 89.8 | 92.2 | 94.9 | 99.5 | 105.7 | 109.4 | 109.9 | 142.7 |
| TAPE X07640 | 400 | 82.4 | 84.7 | 86.5 | 86.0 | 91.3 | 89.0 | 89.8 | 93.0 | 95.7 | 102.0 | 109.0 | 110.9 | 110.2 | 144.4 |
| BAR 29.4 HG | 500 | 83.3 | 84.3 | 85.8 | 86.6 | 91.4 | 90.3 | 91.7 | 93.8 | 97.0 | 103.9 | 109.8 | 112.3 | 110.5 | 145.4 |
| (99414. N/M2) | 630 | 84.6 | 86.4 | 86.9 | 88.4 | 93.0 | 91.1 | 93.0 | 95.4 | 98.6 | 104.5 | 111.7 | 113.6 | 111.1 | 146.7 |
| TAMB 68. DEG F | 800 | 86.1 | 87.2 | 88.2 | 89.7 | 93.8 | 92.4 | 94.3 | 96.4 | 100.2 | 105.5 | 112.2 | 113.6 | 111.7 | 147.1 |
| (293. DEG K) | 1000 | 90.7 | 91.0 | 91.7 | 92.0 | 94.6 | 94.0 | 94.9 | 97.5 | 100.0 | 105.6 | 112.0 | 112.7 | 111.2 | 146.8 |
| TWET 61. DEG F | 1250 | 88.3 | 90.3 | 91.3 | 92.1 | 95.2 | 94.8 | 96.0 | 98.4 | 101.1 | 105.2 | 110.4 | 112.5 | 110.1 | 146.1 |
| (289. DEG K) | 1500 | 87.9 | 89.7 | 90.4 | 91.5 | 96.3 | 94.9 | 95.8 | 98.0 | 101.4 | 105.0 | 108.2 | 110.9 | 109.2 | 144.9 |
| HACT11.65 GM/M3 | 2000 | 92.4 | 91.5 | 92.0 | 91.5 | 96.4 | 94.0 | 96.1 | 98.8 | 101.2 | 104.6 | 106.5 | 108.4 | 106.5 | 143.5 |
| (-01165 KG/M3) | 2500 | 99.0 | 96.6 | 94.3 | 93.6 | 96.7 | 94.1 | 96.0 | 98.4 | 101.1 | 103.2 | 103.9 | 106.5 | 105.3 | 142.5 |
| FREQ. SHIFT | 3150 | 100.5 | 99.5 | 98.8 | 96.8 | 98.2 | 94.8 | 95.7 | 98.8 | 101.1 | 102.7 | 102.6 | 104.8 | 103.3 | 142.5 |
| JET 0 | 4000 | 99.0 | 98.6 | 98.9 | 99.1 | 99.0 | 96.1 | 95.7 | 98.6 | 100.4 | 100.9 | 99.6 | 102.0 | 100.1 | 141.6 |
| DIAMETER RATIO | 5000 | 98.2 | 98.0 | 98.5 | 98.8 | 99.3 | 98.7 | 96.8 | 98.5 | 99.7 | 99.6 | 98.5 | 100.4 | 99.5 | 141.3 |
| DF/DM 1.00 | 6300 | 95.2 | 96.0 | 96.1 | 97.9 | 99.2 | 99.0 | 99.2 | 98.4 | 99.8 | 98.5 | 97.1 | 99.5 | 99.3 | 141.0 |
| | 8000 | 93.8 | 93.4 | 93.9 | 95.9 | 98.1 | 98.1 | 98.8 | 98.9 | 99.7 | 98.1 | 95.7 | 98.4 | 98.6 | 140.4 |
| | 10000 | 90.9 | 93.3 | 93.2 | 94.4 | 97.5 | 96.3 | 98.0 | 98.4 | 98.9 | 97.1 | 94.5 | 98.3 | 98.3 | 139.9 |
| | 12500 | 88.6 | 90.6 | 91.3 | 92.7 | 95.0 | 94.4 | 96.5 | 96.1 | 96.8 | 95.5 | 92.6 | 95.4 | 96.9 | 138.3 |
| | 15000 | 86.0 | 88.0 | 88.7 | 90.9 | 93.9 | 92.8 | 94.9 | 94.2 | 96.0 | 93.7 | 91.1 | 94.1 | 95.3 | 137.6 |
| | 20000 | 82.2 | 84.1 | 86.0 | 87.6 | 92.6 | 90.2 | 92.3 | 90.9 | 93.0 | 89.6 | 86.9 | 90.6 | 91.5 | 135.7 |
| | 25000 | 78.9 | 81.5 | 82.2 | 84.4 | 89.4 | 86.1 | 87.2 | 87.6 | 89.7 | 85.6 | 84.9 | 85.4 | 87.7 | 133.5 |
| | 31500 | 76.0 | 79.7 | 81.4 | 83.8 | 88.8 | 84.8 | 85.7 | 84.6 | 85.7 | 82.1 | 81.0 | 84.9 | 84.5 | 133.7 |
| | 40000 | 71.8 | 75.5 | 78.9 | 81.2 | 86.5 | 82.7 | 83.2 | 80.9 | 81.5 | 78.2 | 76.2 | 78.5 | 79.5 | 133.9 |
| | 50000 | 64.8 | 70.1 | 74.2 | 76.4 | 80.9 | 78.8 | 78.5 | 78.1 | 77.7 | 72.3 | 69.9 | 70.0 | 71.8 | 133.4 |
| | 63000 | 57.7 | 62.8 | 67.6 | 69.7 | 78.7 | 71.1 | 70.7 | 72.2 | 72.4 | 67.1 | 63.8 | 61.7 | 64.3 | 134.6 |
| | 80000 | 51.1 | 55.7 | 61.3 | 62.1 | 74.9 | 62.5 | 62.2 | 62.0 | 63.8 | 59.5 | 57.5 | 52.4 | 58.1 | 138.6 |
| OVERALL MEASURED | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 106.8 | 106.6 | 106.6 | 107.0 | 109.3 | 107.9 | 108.7 | 110.2 | 112.3 | 115.3 | 120.1 | 122.1 | 120.8 | |
| PND8 | | 120.7 | 120.4 | 120.2 | 120.6 | 122.1 | 120.6 | 120.9 | 122.7 | 124.9 | 127.0 | 129.3 | 131.5 | 130.4 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 764 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-154cm²(23.9in²)

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE
FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 26 HR. 18.5

| FREQ. | FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--------------------|--------------------------|------|------|------|------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| NO EGA | 50 | 52.7 | 58.1 | 60.4 | 61.2 | 66.2 | 64.4 | 66.4 | 68.2 | 68.9 | 72.6 | 77.5 | 77.9 | 75.8 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| SIDELINE 2400. FT. | 63 | 54.0 | 60.4 | 60.0 | 63.0 | 68.2 | 66.7 | 67.2 | 69.2 | 71.2 | 74.7 | 79.3 | 80.7 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| (731.52 M) | 80 | 55.9 | 59.8 | 62.7 | 62.9 | 68.7 | 66.5 | 67.2 | 69.9 | 71.9 | 77.1 | 82.5 | 82.1 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| NFA | 100 | 56.7 | 59.3 | 61.9 | 63.5 | 68.7 | 67.7 | 69.0 | 70.7 | 73.2 | 78.9 | 83.2 | 83.3 | 78.0 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| (1. RPM | 125 | 57.9 | 61.3 | 62.9 | 65.2 | 70.2 | 68.5 | 70.2 | 72.2 | 74.7 | 79.4 | 84.9 | 84.5 | 78.3 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| (0. RAD/SEC) | 160 | 59.2 | 61.9 | 64.1 | 66.4 | 70.9 | 69.6 | 71.4 | 73.1 | 76.1 | 80.2 | 85.3 | 84.3 | 78.3 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| NFK | 200 | 63.6 | 65.6 | 67.5 | 68.6 | 71.6 | 71.1 | 71.8 | 74.1 | 75.7 | 80.2 | 84.9 | 83.1 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| (0. RAD/SEC) | 250 | 60.9 | 64.7 | 67.4 | 68.5 | 72.0 | 71.8 | 72.8 | 74.7 | 76.7 | 79.5 | 83.0 | 82.6 | 76.0 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| NFD | 315 | 60.2 | 63.8 | 65.8 | 67.6 | 72.9 | 71.7 | 72.4 | 74.1 | 76.8 | 79.1 | 80.5 | 80.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| (785. RAD/SEC) | 400 | 64.3 | 65.2 | 67.0 | 67.4 | 72.7 | 70.4 | 72.4 | 74.6 | 76.2 | 78.3 | 78.4 | 77.5 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| AIRFLOW RATIO | 500 | 70.4 | 69.9 | 69.0 | 69.1 | 72.7 | 70.2 | 72.0 | 73.9 | 75.7 | 76.5 | 75.2 | 75.0 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| WF/MM 4.63 | 630 | 71.2 | 72.3 | 73.0 | 71.9 | 73.8 | 70.6 | 71.3 | 73.9 | 75.2 | 75.4 | 73.3 | 72.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| VEHICLE | 800 | 68.9 | 70.7 | 72.4 | 73.7 | 74.0 | 71.3 | 70.8 | 73.2 | 73.9 | 73.0 | 69.5 | 68.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| CONFIG | 1000 | 66.9 | 69.2 | 71.3 | 72.6 | 73.7 | 72.8 | 72.9 | 71.3 | 70.8 | 70.3 | 66.8 | 61.5 | 59.4 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| LOC C41 ANECHO CH | 1250 | 62.7 | 66.2 | 68.0 | 70.9 | 72.8 | 70.9 | 71.3 | 70.8 | 70.3 | 66.8 | 61.5 | 59.4 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| DATE C6-08-76 | 1600 | 59.5 | 62.1 | 64.6 | 67.8 | 70.8 | 67.9 | 69.3 | 68.9 | 68.1 | 64.1 | 58.1 | 56.6 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| RUN CONF7HIGHFLW | 2000 | 54.6 | 60.3 | 62.3 | 64.9 | 68.8 | 67.9 | 69.3 | 68.9 | 68.1 | 64.1 | 58.1 | 56.6 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| TAPE | 2500 | 49.3 | 55.2 | 58.3 | 61.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| X07640 | 3150 | 41.8 | 48.6 | 52.4 | 56.5 | 60.5 | 59.7 | 61.5 | 59.8 | 59.6 | 54.4 | 46.9 | 41.9 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| FAN TIP SPEED | 4000 | 30.7 | 38.7 | 44.5 | 48.5 | 54.8 | 52.8 | 54.5 | 51.8 | 51.5 | 44.2 | 35.4 | 28.6 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| FT/SEC | 5000 | 23.9 | 33.5 | 38.5 | 43.4 | 49.9 | 47.0 | 47.6 | 46.6 | 46.0 | 37.6 | 29.9 | 18.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| | 6300 | 8.9 | 21.8 | 29.3 | 35.2 | 42.1 | 38.7 | 39.0 | 36.0 | 33.5 | 24.2 | 13.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| | 8000 | 2.4 | 13.7 | 20.7 | 28.6 | 35.2 | 25.7 | 25.4 | 20.4 | 16.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| | 10000 | | | | | | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 77.0 | 78.6 | 80.0 | 81.1 | 84.0 | 82.7 | 83.4 | 84.9 | 86.5 | 89.2 | 92.9 | 92.4 | 87.1 | | | | | | |
| PND8 | | 82.6 | 84.9 | 86.5 | 88.0 | 91.4 | 90.6 | 91.3 | 91.7 | 92.3 | 93.2 | 94.8 | 93.7 | 87.4 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 764 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)S

PROC. DATE - MONTH 8 DAY 26 HR. 18.5

FREQ. 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190 1200 1210 1220 1230 1240 1250 1260 1270 1280 1290 1300 1310 1320 1330 1340 1350 1360 1370 1380 1390 1400 1410 1420 1430 1440 1450 1460 1470 1480 1490 1500 1510 1520 1530 1540 1550 1560 1570 1580 1590 1600 1610 1620 1630 1640 1650 1660 1670 1680 1690 1700 1710 1720 1730 1740 1750 1760 1770 1780 1790 1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020 2030 2040 2050 2060 2070 2080 2090 2100 2110 2120 2130 2140 2150 2160 2170 2180 2190 2200 2210 2220 2230 2240 2250 2260 2270 2280 2290 2300 2310 2320 2330 2340 2350 2360 2370 2380 2390 2400 2410 2420 2430 2440 2450 2460 2470 2480 2490 2500 2510 2520 2530 2540 2550 2560 2570 2580 2590 2600 2610 2620 2630 2640 2650 2660 2670 2680 2690 2700 2710 2720 2730 2740 2750 2760 2770 2780 2790 2800 2810 2820 2830 2840 2850 2860 2870 2880 2890 2900 2910 2920 2930 2940 2950 2960 2970 2980 2990 3000 3010 3020 3030 3040 3050 3060 3070 3080 3090 3100 3110 3120 3130 3140 3150 3160 3170 3180 3190 3200 3210 3220 3230 3240 3250 3260 3270 3280 3290 3300 3310 3320 3330 3340 3350 3360 3370 3380 3390 3400 3410 3420 3430 3440 3450 3460 3470 3480 3490 3500 3510 3520 3530 3540 3550 3560 3570 3580 3590 3600 3610 3620 3630 3640 3650 3660 3670 3680 3690 3700 3710 3720 3730 3740 3750 3760 3770 3780 3790 3800 3810 3820 3830 3840 3850 3860 3870 3880 3890 3900 3910 3920 3930 3940 3950 3960 3970 3980 3990 4000 4010 4020 4030 4040 4050 4060 4070 4080 4090 4100 4110 4120 4130 4140 4150 4160 4170 4180 4190 4200 4210 4220 4230 4240 4250 4260 4270 4280 4290 4300 4310 4320 4330 4340 4350 4360 4370 4380 4390 4400 4410 4420 4430 4440 4450 4460 4470 4480 4490 4500 4510 4520 4530 4540 4550 4560 4570 4580 4590 4600 4610 4620 4630 4640 4650 4660 4670 4680 4690 4700 4710 4720 4730 4740 4750 4760 4770 4780 4790 4800 4810 4820 4830 4840 4850 4860 4870 4880 4890 4900 4910 4920 4930 4940 4950 4960 4970 4980 4990 5000 5010 5020 5030 5040 5050 5060 5070 5080 5090 5100 5110 5120 5130 5140 5150 5160 5170 5180 5190 5200 5210 5220 5230 5240 5250 5260 5270 5280 5290 5300 5310 5320 5330 5340 5350 5360 5370 5380 5390 5400 5410 5420 5430 5440 5450 5460 5470 5480 5490 5500 5510 5520 5530 5540 5550 5560 5570 5580 5590 5600 5610 5620 5630 5640 5650 5660 5670 5680 5690 5700 5710 5720 5730 5740 5750 5760 5770 5780 5790 5800 5810 5820 5830 5840 5850 5860 5870 5880 5890 5900 5910 5920 5930 5940 5950 5960 5970 5980 5990 6000 6010 6020 6030 6040 6050 6060 6070 6080 6090 6100 6110 6120 6130 6140 6150 6160 6170 6180 6190 6200 6210 6220 6230 6240 6250 6260 6270 6280 6290 6300 6310 6320 6330 6340 6350 6360 6370 6380 6390 6400 6410 6420 6430 6440 6450 6460 6470 6480 6490 6500 6510 6520 6530 6540 6550 6560 6570 6580 6590 6600 6610 6620 6630 6640 6650 6660 6670 6680 6690 6700 6710 6720 6730 6740 6750 6760 6770 6780 6790 6800 6810 6820 6830 6840 6850 6860 6870 6880 6890 6900 6910 6920 6930 6940 6950 6960 6970 6980 6990 7000 7010 7020 7030 7040 7050 7060 7070 7080 7090 7100 7110 7120 7130 7140 7150 7160 7170 7180 7190 7200 7210 7220 7230 7240 7250 7260 7270 7280 7290 7300 7310 7320 7330 7340 7350 7360 7370 7380 7390 7400 7410 7420 7430 7440 7450 7460 7470 7480 7490 7500 7510 7520 7530 7540 7550 7560 7570 7580 7590 7600 7610 7620 7630 7640 7650 7660 7670 7680 7690 7700 7710 7720 7730 7740 7750 7760 7770 7780 7790 7800 7810 7820 7830 7840 7850 7860 7870 7880 7890 7900 7910 7920 7930 7940 7950 7960 7970 7980 7990 8000 8010 8020 8030 8040 8050 8060 8070 8080 8090 8100 8110 8120 8130 8140 8150 8160 8170 8180 8190 8200 8210 8220 8230 8240 8250 8260 8270 8280 8290 8300 8310 8320 8330 8340 8350 8360 8370 8380 8390 8400 8410 8420 8430 8440 8450 8460 8470 8480 8490 8500 8510 8520 8530 8540 8550 8560 8570 8580 8590 8600 8610 8620 8630 8640 8650 8660 8670 8680 8690 8700 8710 8720 8730 8740 8750 8760 8770 8780 8790 8800 8810 8820 8830 8840 8850 8860 8870 8880 8890 8900 8910 8920 8930 8940 8950 8960 8970 8980 8990 9000 9010 9020 9030 9040 9050 9060 9070 9080 9090 9100 9110 9120 9130 9140 9150 9160 9170 9180 9190 9200 9210 9220 9230 9240 9250 9260 9270 9280 9290 9300 9310 9320 9330 9340 9350 9360 9370 9380 9390 9400 9410 9420 9430 9440 9450 9460 9470 9480 9490 9500 9510 9520 9530 9540 9550 9560 9570 9580 9590 9600 9610 9620 9630 9640 9650 9660 9670 9680 9690 9700 9710 9720 9730 9740 9750 9760 9770 9780 9790 9800 9810 9820 9830 9840 9850 9860 9870 9880 9890 9900 9910 9920 9930 9940 9950 9960 9970 9980 9990 10000 10010 10020 10030 10040 10050 10060 10070 10080 10090 10100 10110 10120 10130 10140 10150 10160 10170 10180 10190 10200 10210 10220 10230 10240 10250 10260 10270 10280 10290 10300 10310 10320 10330 10340 10350 10360 10370 10380 10390 10400 10410 10420 10430 10440 10450 10460 10470 10480 10490 10500 10510 10520 10530 10540 10550 10560 10570 10580 10590 10600 10610 10620 10630 10640 10650 10660 10670 10680 10690 10700 10710 10720 10730 10740 10750 10760 10770 10780 10790 10800 10810 10820 10830 10840 10850 10860 10870 10880 10890 10900 10910 10920 10930 10940 10950 10960 10970 10980 10990 11000 11010 11020 11030 11040 11050 11060 11070 11080 11090 11100 11110 11120 11130 11140 11150 11160 11170 11180 11190 11200 11210 11220 11230 11240 11250 11260 11270 11280 11290 11300 11310 11320 11330 11340 11350 11360 11370 11380 11390 11400 11410 11420 11430 11440 11450 11460 11470 11480 11490 11500 11510 11520 11530 11540 11550 11560 11570 11580 11590 11600 11610 11620 11630 11640 11650 11660 11670 11680 11690 11700 11710 11720 11730 11740 11750 11760 11770 11780 11790 11800 11810 11820 11830 11840 11850 11860 11870 11880 11890 11900 11910 11920 11930 11940 11950 11960 11970 11980 11990 12000 12010 12020 12030 12040 12050 12060 12070 12080 12090 12100 12110 12120 12130 12140 12150 12160 12170 12180 12190 12200 12210 12220 12230 12240 12250 12260 12270 12280 12290 12300 12310 12320 12330 12340 12350 12360 12370 12380 12390 12400 12410 12420 12430 12440 12450 12460 12470 12480 12490 12500 12510 12520 12530 12540 12550 12560 12570 12580 12590 12600 12610 12620 12630 12640 12650 12660 12670 12680 12690 12700 12710 12720 12730 12740 12750 12760 12770 12780 12790 12800 12810 12820 12830 12840 12850 12860 12870 12880 12890 12900 12910 12920 12930 12940 12950 12960 12970 12980 12990 13000 13010 13020 13030 13040 13050 13060 13070 13080 13090 13100 13110 13120 13130 13140 13150 13160 13170 13180 13190 13200 13210 13220 13230 13240 13250 13260 13270 13280 13290 13300 13310 13320 13330 13340 13350 13360 13370 13380 13390 13400 13410 13420 13430 13440 13450 13460 13470 13480 13490 13500 13510 13520 13530 13540 13550 13560 13570 13580 13590 13600 13610 13620 13630 13640 13650 13660 13670 13680 13690 13700 13710 13720 13730 13740 13750 13760 13770 13780 13790 13800 13810 13820 13830 13840 13850 13860 13870 13880 13890 13900 13910 13920 13930 13940 13950 13960 13970 13980 13990 14000 14010 14020 14030 14040 14050 14060 14070 14080 14090 14100 14110 14120 14130 14140 14150 14160 14170 14180 14190 14200 14210 14220 14230 14240 14250 14260 14270 14280 14290 14300 14310 14320 14330 14340 14350 14360 14370 14380 14390 14400 14410 14420 14430 14440 14450 14460 14470 14480 14490 14500 14510 14520 14530 14540 14550 14560 14570 14580 14590 14600 14610 14620 14630 14640 14650 14660 14670 14680 14690 14700 14710 14720 14730 14740 14750 14760 14770 14780 14790 14800 14810 14820 14830 14840 14850 14860 14870 14880 14890 14900 14910 14920 14930 14940 14950 14960 14970 14980 14990 15000 15010 15020 15030 15040 15050 15060 15070 15080 15090 15100 15110 15120 15130 15140 15150 15160 15170 15180 15190 15200 15210 15220 15230 15240 15250 15260 15270 15280 15290 15300 15310 15320 15330 15340 15350 15360 15370 15380 15390 15400 15410 15420 15430 15440 15450 15460 15470 15480 15490 15500 15510 15520 15530 15540 15550 15560 15570 15580 15590 15600 15610 15620 15630 15640 15650 15660 15670 15680 15690 15700 15710 15720 15730 15740 15750 15760 15770 15780 15790 15800 15810 15820 15830 15840 15850 15860 15870 15880 15890 15900 15910 15920 15930 15940 15950 15960 15970 15980 15990 16000 16010 16020 16030 16040 16050 16060 16070 16080 16090 16100 16110 16120 16130 16140 16150 16160 16170 16180 16190 16200 16210 16220 16230 16240 16250 16260 16270 16280 16290 16300 16310 16320 16330 16340 16350 16360 16370 16380 16390 16400 16410 16420 16430 16440 16450 16460 16470 16480 16490 16500 16510 16520 16530 16540 16550 16560 16570 16580 16590 16600 16610 16620 16630 16640 16650 16660 16670 16680 16690 16700 16710 16720 16730 16740 16750 16760 16770 16780 16790 16800 16810 16820 16830 16840 16850 16860 16870 16880 16890 16900 16910 16920 16930 16940 16950 16960 16970 16980 16990 17000 17010 17020 17030 17040 17050 17060 17070 17080 17090 17100 17110 17120 17130 17140 17150 17160 17170 17180 17190 17200 17210 17220 17230 17240 17250 17260 17270 17280 17290 17300 17310 17320 17330 17340 17350 17360 17370 17380 17390 17400 17410 17420 17430 17440 17450 17460 17470 17480 17490 17500 17510 17520 17530 17540 17550 17560 17570 17580 17590 17600 17610 17620 17630 17640 17650 17660 17670 17680 17690 17700 17710 17720 17730 17740 17750 17760 17770 17780 17790 17800 17810 17820 17830 17840 17850 17860 17870 17880 17890 17900 17910 17920 17930 17940 17950 17960 17970 17980 17990 18000 18010 18020 18030 18040 18050 18060 18070 18080 18090 18100 18110 18120 18130 18140 18150 18160 18170 18180 18190 18200 18210 18220 18230 18240 18250 18260 18270 18280 18290 18300 18310 18320 18330 18340 18350 18360 18370 18380 18390 18400 18410 18420 18430 18440 18450 18460 18470 18480 18490 18500 18510 18520 18530 18540 18550 18560 18570 18580 18590 18600 18610 18620 18630 18640 18650 18660 18670 18680 18690 18700 18710 18720 18730 18740 18750 18760 18770 18780 18790 18800 18810 18820 18830 18840 18850 18860 18870 18880 18890 18900 18910 18920 18930 18940 18950 18960 18970 18980 18990 19000 19010 19020 19030 19040 19050 19060 19070 19080 19090 19100 19110 19120 19130 19140 19150 19160 19170 19180 19190 19200 19210 19220 19230 19240 19250 19260 19270 19280 19290 19300 19310 19320 19330 19340 19350 19360 19370 19380 19390 19400 19410 19420 19430 19440 19450 19460 19470 19480 19490 19500 19510 19520 19530 19540 19550 19560 19570 19580 19590 19600 19610 19620 19630 19640 19650 19660 19670 19680 19690 19700 19710 19720 19730 19740 19750 19760 19770 19780 19790 19800 19810 19820 19830 19840 19850 19860 19870 19880 19890 19900 19910 19920 19930 19940 19950 19960 19970 19980 19990 20000 20010 20020 20030 20040 20050 20060 20070 20080 20090 20100 20110 20120 20130 20140 20150 20160 20170 20180 20190 20200 20210 20220 20230 20240 20250 20260 20270 20280 20290 20300 20310 20320 20330 20340 20350 20360 20370 20380 20390 20400 20410 20420 20430 20440 20450 20460 20470 20480 20490 20500 20510 20520 20530 20540 20550 20560 20570 20580 20590 20600 20610 20620 20630 20640 20650 20660 20670 20680 20690 20700 20710 20720 20730 20740 20750 20760 20770 20780 20790 20800 20810 20820 20830 20840 20850 20860 20870 20880 20890 20900 20910 20920 20930 20940 20950 20960 20970 20980 20990 21000 21010 21020 21030 21040 21050 21060 21070 21080 21090 21100 21110 21120 21130 21140 21150 21160 21170 21180 21190 21200 21210 21220 21230 21240 21250 21260 21270 21280 21290 21300 21310 21320 21330 21340 21350 21360 21370 21380 21390 21400 21410 21420 21430 21440 21450 21460 21470 21480 21490 21500 21510 21520 21530 21540 21550 21560 21570 21580 21590 21600 21610 21620 21630 21640 21650 21660 21670 21680 21690 21700 21710 21720 21730 21740 21750 21760 21770 21780 21790 21800 21810 21820 21830 21840 21850 21860 21870 21880 21890 21900 21910 21920 21930 21940 21950 21960 21970 21980 21990 22000 22010 22020 22030 22040 22050 22060 22070 22080 22090 22100 22110 22120 22130 22140

DATA (59. DEG. F, 73 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680 |
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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 7 | 765 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

| FULL SIZE SOUND PRESSURE | | | | | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 7 | 765 | 731.5m(2400ft.) SIDELINE | FULL - 33m ² (531n ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 63 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 80 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 100 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 125 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 160 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 200 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 250 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 315 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 400 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 500 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 630 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 800 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 1000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 1250 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 1600 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 2000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 2500 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 3150 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 4000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 5000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 6300 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 8000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 10000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 12500 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 16000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 20000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 25000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 31500 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 40000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 50000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 63000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| 80000 | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) |
| OVERALL MEASURED | 110.3 | 113.2 | 103.0 | 103.6 | 101.6 | 103.2 | 107.0 | 106.5 | 111.0 |
| OVERALL CALCULATED | 110.3 | 113.2 | 103.0 | 103.6 | 101.6 | 103.2 | 107.0 | 106.5 | 111.0 |
| P.D. | 118.7 | 120.8 | 117.2 | 117.7 | 115.0 | 116.7 | 122.1 | 120.0 | 121.8 |
| 123.9 | 125.9 | 124.9 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 766 ACOUSTIC RANGE 12.2m(40ft.) ARC

SIZE MODEL-154cm²(23.9in²)

+ 80° spectra missing, see repeat data point

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| NO EGA | 50 | 99.6 | 104.2 | 82.2 | 83.0 | 82.8 | 83.7 | 85.3 | 87.7 |
| RDG. NO. 0. | 63 | 102.2 | 106.3 | 83.8 | 85.3 | 82.9 | 86.3 | 88.4 | 89.8 |
| RADIAL 150. FT. | 80 | 103.5 | 106.8 | 85.5 | 85.1 | 82.4 | 86.8 | 88.4 | 90.3 |
| (46. M) | 100 | 104.1 | 106.9 | 86.4 | 85.4 | 85.3 | 87.1 | 88.5 | 91.4 |
| VEHICLE CELL41 | 125 | 103.5 | 106.5 | 87.7 | 87.3 | 86.6 | 88.5 | 90.9 | 92.3 |
| CONFIG NC53 | 160 | 102.5 | 105.0 | 89.0 | 88.8 | 88.1 | 90.2 | 91.6 | 93.8 |
| LOC C41 ANECH CH | 200 | 99.8 | 102.1 | 91.1 | 90.6 | 89.7 | 90.8 | 92.7 | 95.1 |
| DATE C6-08-76 | 250 | 99.1 | 99.9 | 91.2 | 90.5 | 90.6 | 91.4 | 93.1 | 96.0 |
| RUN CONF7HIGHFLW | 315 | 97.7 | 97.8 | 91.5 | 92.3 | 90.9 | 92.8 | 94.2 | 96.6 |
| TAPE X07660 | 400 | 95.8 | 95.1 | 91.6 | 91.9 | 91.5 | 92.3 | 94.7 | 95.9 |
| BAR 29.4 HG | 500 | 93.9 | 93.2 | 92.0 | 92.7 | 91.8 | 93.7 | 95.6 | 96.7 |
| (99347. N/M2) | 630 | 92.4 | 92.0 | 91.8 | 91.8 | 90.7 | 92.5 | 94.9 | 96.3 |
| TAMB 64. DEG F | 800 | 90.7 | 89.5 | 92.1 | 91.8 | 90.7 | 92.5 | 94.9 | 96.3 |
| (291. DEG K) | 1000 | 90.1 | 90.2 | 94.0 | 93.7 | 91.3 | 92.9 | 94.3 | 96.5 |
| TWET 59. DEG F | 1250 | 89.8 | 91.1 | 95.4 | 95.9 | 94.2 | 94.4 | 95.5 | 96.9 |
| (288. DEG K) | 1600 | 89.2 | 91.1 | 93.9 | 94.8 | 91.9 | 93.8 | 95.7 | 95.8 |
| HACT11.34 GM/M3 | 2000 | 88.9 | 91.8 | 92.4 | 92.3 | 90.1 | 92.7 | 94.6 | 95.8 |
| (.01134 KG/M3) | 2500 | 87.7 | 90.9 | 90.4 | 90.7 | 88.5 | 91.6 | 94.3 | 95.0 |
| FREQ. SHIFT | 3150 | 86.9 | 90.3 | 89.5 | 88.3 | 87.1 | 89.2 | 92.9 | 92.9 |
| JET 7 | 4000 | 83.9 | 88.5 | 87.4 | 88.3 | 87.1 | 89.2 | 92.9 | 92.9 |
| DIAMETER RATIO | 5000 | 79.1 | 85.3 | 86.4 | 87.5 | 85.2 | 87.5 | 90.2 | 91.4 |
| DF/DM 4.63 | 6300 | 79.7 | 83.7 | 86.2 | 87.1 | 85.6 | 88.6 | 90.7 | 91.4 |
| | 8000 | 76.2 | 80.2 | 84.2 | 85.1 | 85.1 | 87.4 | 88.4 | 90.1 |
| | 10000 | 69.5 | 74.7 | 80.8 | 82.3 | 82.7 | 84.4 | 84.6 | 87.0 |
| | 12500 | 63.8 | 69.1 | 80.1 | 80.0 | 82.2 | 81.6 | 82.2 | 85.0 |
| | 16000 | 60.2 | 69.0 | 81.7 | 81.2 | 85.0 | 79.8 | 80.2 | 84.3 |
| OVERALL CALCULATED | 111.8 | 114.6 | 105.1 | 105.7 | 103.7 | 105.3 | 109.1 | 108.7 | 110.7 |
| PNDG | 116.0 | 118.6 | 115.7 | 116.9 | 114.9 | 117.0 | 119.7 | 120.3 | 122.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 766 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

+ 80° spectra missing, sec repeat data point

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

| PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| FULL SIZE SOUND PRESSURE | | | | | | | | | | | | | | | | | |
| FREQ. (G.70) (0.87) (1.03) (1.22) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. | | | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | | | | | | | | | | | | | | | | | |
| (731.52 M) | | | | | | | | | | | | | | | | | |
| NFA | | | | | | | | | | | | | | | | | |
| (1. RPM) | | | | | | | | | | | | | | | | | |
| NFK | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | | |
| NFD | | | | | | | | | | | | | | | | | |
| (7500. RPM) | | | | | | | | | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | | | | | |
| WF/NM 4.63 | | | | | | | | | | | | | | | | | |
| VEHICLE | | | | | | | | | | | | | | | | | |
| CELL41 | | | | | | | | | | | | | | | | | |
| CONFIG | | | | | | | | | | | | | | | | | |
| NC53 | | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | | | |
| DATE 06-08-76 | | | | | | | | | | | | | | | | | |
| RUN CONF7HIGHFLW | | | | | | | | | | | | | | | | | |
| TAPE X07660 | | | | | | | | | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | | | | | |
| 5.7 18.9 27.2 31.5 32.5 35.0 35.1 32.4 28.7 19.4 2.7 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 7 | 766 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in ²) |

+ 80° spectra missing, see repeat data point

ANECHOIC JET NOISE TEST FACILITY RESULTS

FULL-.33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| LEVELS SCALED FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| SIDELINE 2400. FT. | 50 | 51.5 | 56.3 | 59.2 | 60.2 | 61.9 | 63.4 | 65.4 | 67.2 | 72.1 | 76.8 | 76.2 | 74.0 | | | | |
| (731.52 M) | 63 | 52.7 | 59.1 | 59.2 | 61.7 | 64.5 | 65.5 | 66.5 | 67.0 | 69.5 | 74.7 | 78.6 | 78.7 | 75.5 | | | |
| NFA | 80 | 55.2 | 58.6 | 61.7 | 62.4 | 64.2 | 65.7 | 66.5 | 68.2 | 71.4 | 76.9 | 85.5 | 79.9 | 75.9 | | | |
| (1.00) | 100 | 55.7 | 58.8 | 61.4 | 62.7 | 64.5 | 66.5 | 67.5 | 68.7 | 72.2 | 78.1 | 81.5 | 80.8 | 76.2 | | | |
| (1.00) | 125 | 56.4 | 60.0 | 61.7 | 64.2 | 66.0 | 67.2 | 69.5 | 70.5 | 73.4 | 78.6 | 81.2 | 81.0 | 76.1 | | | |
| (1.00) | 160 | 58.0 | 61.7 | 63.3 | 65.4 | 66.9 | 68.4 | 70.1 | 71.1 | 74.6 | 78.7 | 80.5 | 80.3 | 75.8 | | | |
| (1.00) | 200 | 60.3 | 63.1 | 65.0 | 66.3 | 67.8 | 68.9 | 70.8 | 72.1 | 75.0 | 78.4 | 80.3 | 80.3 | 75.8 | | | |
| (1.00) | 250 | 59.2 | 62.2 | 65.7 | 66.2 | 67.5 | 69.5 | 71.0 | 72.7 | 75.2 | 77.8 | 77.2 | 75.9 | 71.3 | | | |
| (1.00) | 315 | 58.7 | 63.3 | 64.5 | 65.9 | 68.7 | 71.4 | 71.7 | 72.4 | 75.3 | 78.1 | 77.8 | 75.8 | 71.5 | | | |
| (1.00) | 400 | 58.3 | 61.5 | 64.5 | 65.6 | 67.4 | 69.7 | 71.2 | 72.1 | 74.8 | 76.3 | 74.1 | 71.8 | 66.7 | | | |
| (1.00) | 500 | 60.1 | 66.1 | 70.0 | 66.6 | 68.2 | 69.2 | 71.0 | 72.4 | 75.0 | 75.3 | 73.7 | 71.2 | 65.6 | | | |
| (1.00) | 630 | 57.7 | 62.1 | 65.0 | 65.2 | 67.8 | 68.8 | 70.0 | 71.7 | 74.8 | 74.2 | 71.3 | 69.3 | 63.5 | | | |
| (1.00) | 800 | 55.6 | 59.2 | 62.4 | 63.9 | 65.8 | 67.8 | 69.5 | 71.4 | 73.2 | 72.5 | 68.8 | 66.5 | 59.6 | | | |
| (1.00) | 1000 | 54.4 | 59.7 | 61.8 | 63.6 | 65.5 | 67.0 | 68.7 | 70.1 | 71.3 | 70.5 | 67.3 | 65.0 | 58.2 | | | |
| (1.00) | 1250 | 52.0 | 56.9 | 59.7 | 61.8 | 63.0 | 65.0 | 67.1 | 68.8 | 69.1 | 70.7 | 68.3 | 65.6 | 55.8 | | | |
| (1.00) | 1600 | 49.5 | 53.8 | 56.8 | 60.0 | 63.3 | 65.1 | 67.3 | 67.0 | 68.5 | 66.7 | 62.7 | 67.3 | 52.0 | | | |
| (1.00) | 2000 | 44.8 | 52.0 | 54.8 | 57.9 | 61.7 | 62.6 | 65.0 | 64.9 | 66.3 | 63.5 | 59.3 | 58.0 | 47.2 | | | |
| (1.00) | 2500 | 39.5 | 47.1 | 50.8 | 54.3 | 58.2 | 59.6 | 61.5 | 60.7 | 61.3 | 58.7 | 54.4 | 51.8 | 39.7 | | | |
| (1.00) | 3150 | 33.2 | 41.8 | 45.5 | 50.4 | 53.7 | 54.9 | 57.4 | 55.9 | 57.0 | 53.0 | 48.5 | 43.8 | 28.5 | | | |
| (1.00) | 4000 | 22.6 | 32.8 | 38.0 | 42.1 | 47.6 | 48.1 | 50.9 | 48.4 | 49.3 | 43.5 | 35.7 | 30.2 | 10.1 | | | |
| (1.00) | 5000 | 16.8 | 28.0 | 32.5 | 37.5 | 42.2 | 43.1 | 43.9 | 42.8 | 44.0 | 36.6 | 29.5 | 19.9 | | | | |
| (1.00) | 6300 | 2.2 | 16.3 | 23.5 | 29.1 | 33.6 | 33.9 | 35.2 | 32.9 | 31.5 | 23.1 | 13.3 | 3.3 | | | | |
| (1.00) | 8000 | | | 8.0 | 14.6 | 19.0 | 19.6 | 20.5 | 15.8 | 13.3 | 4.1 | | | | | | |
| (1.00) | 10000 | | | | | | 1.1 | 1.1 | | | | | | | | | |
| (1.00) | 12500 | | | | | | | | | | | | | | | | |
| (1.00) | 16000 | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 69.0 | 73.2 | 75.9 | 76.5 | 78.5 | 80.2 | 81.7 | 82.8 | 85.4 | 88.1 | 89.5 | 88.7 | 84.5 | | | | |
| PNUB | 73.4 | 78.8 | 82.1 | 82.2 | 84.9 | 86.5 | 88.3 | 88.7 | 90.9 | 92.0 | 91.4 | 89.9 | 81.4 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 767 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

| | | ANGLES FROM IN DEGREES (CARD RADIANS) | | | | | | | | | | | | | |
|--------------------|--------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00)(3.27) | | | | | | | | | | | | | |
| NO EGA | | 50 | 81.1 | 85.2 | 86.7 | 86.5 | 87.6 | 89.2 | 91.1 | 92.0 | 94.2 | 100.0 | 106.4 | 108.6 | |
| RDG. NO. | | 63 | 83.0 | 87.3 | 86.0 | 88.1 | 89.9 | 91.0 | 92.2 | 93.3 | 96.8 | 102.1 | 108.0 | 111.0 | |
| RDG. NO. | | 80 | 85.3 | 87.0 | 88.8 | 88.6 | 89.9 | 91.3 | 92.4 | 94.3 | 98.3 | 104.9 | 110.6 | 112.5 | |
| RADIAL 150. FT. | | 100 | 85.4 | 86.4 | 88.4 | 89.2 | 90.3 | 92.4 | 93.5 | 95.2 | 99.6 | 106.5 | 111.9 | 113.3 | |
| VEHICLE | CELL41 | 125 | 86.7 | 88.5 | 89.0 | 90.5 | 91.9 | 93.2 | 94.6 | 96.5 | 100.5 | 106.3 | 112.3 | 113.7 | |
| CONFIG | NC54 | 160 | 88.5 | 89.7 | 90.5 | 91.8 | 93.1 | 94.7 | 96.1 | 97.8 | 101.8 | 107.1 | 111.8 | 114.5 | |
| LLOC | C41 ANECH CH | 200 | 91.8 | 92.6 | 93.3 | 93.4 | 94.0 | 95.8 | 97.0 | 98.9 | 101.8 | 107.2 | 110.6 | 113.3 | |
| DATE 06-10-76 | | 250 | 89.6 | 91.9 | 93.7 | 94.3 | 94.3 | 96.4 | 97.6 | 99.7 | 102.7 | 107.3 | 109.7 | 112.7 | |
| RUN | CONF/HIGHFLW | 315 | 89.5 | 92.3 | 92.5 | 93.3 | 94.9 | 97.0 | 97.4 | 99.3 | 102.8 | 107.1 | 107.8 | 111.5 | |
| TAPE | X0768G | 400 | 90.0 | 91.8 | 93.3 | 93.4 | 95.0 | 96.3 | 98.2 | 99.9 | 103.1 | 106.9 | 106.6 | 109.6 | |
| BAR | 29.4 HG | 500 | 90.2 | 91.5 | 93.2 | 94.0 | 94.8 | 96.2 | 98.3 | 100.0 | 103.5 | 105.6 | 106.5 | 108.2 | |
| (99212. N/M2) | | 630 | 90.7 | 92.7 | 93.0 | 93.5 | 95.3 | 96.2 | 98.1 | 100.3 | 103.7 | 105.6 | 105.5 | 107.7 | |
| TAMB | 70. DEG F | 800 | 89.7 | 91.3 | 92.6 | 93.1 | 94.7 | 95.8 | 98.2 | 100.6 | 102.6 | 104.2 | 104.4 | 106.8 | |
| (294. DEG K) | | 1000 | 89.6 | 91.4 | 92.5 | 93.2 | 94.8 | 96.4 | 98.1 | 99.5 | 102.0 | 102.8 | 103.3 | 105.7 | |
| TWET | 63. DEG F | 1250 | 89.5 | 91.1 | 91.9 | 92.9 | 94.7 | 96.6 | 98.7 | 99.4 | 102.2 | 102.0 | 102.4 | 105.8 | |
| (290. DEG K) | | 1600 | 88.5 | 89.8 | 90.6 | 92.4 | 94.7 | 96.6 | 98.7 | 99.1 | 101.9 | 101.8 | 101.2 | 104.8 | |
| HACT12.59 GM/M3 | | 2000 | 86.9 | 90.5 | 90.8 | 92.3 | 94.9 | 95.2 | 97.4 | 98.8 | 101.1 | 100.7 | 99.9 | 104.8 | |
| (0.1259 KG/M3) | | 2500 | 85.1 | 88.9 | 89.8 | 91.2 | 93.0 | 94.6 | 97.0 | 96.2 | 95.5 | 99.0 | 97.5 | 102.9 | |
| FFREQ. SHIFT | | 3150 | 84.5 | 87.8 | 88.5 | 90.9 | 92.7 | 93.1 | 96.2 | 95.5 | 99.0 | 97.5 | 97.9 | 102.9 | |
| JET | | 4000 | 82.7 | 85.5 | 87.2 | 88.3 | 92.1 | 91.6 | 94.8 | 93.1 | 96.4 | 94.0 | 93.9 | 97.8 | |
| DIAMETER RATIO | | 5000 | 81.9 | 85.2 | 86.1 | 86.9 | 89.6 | 89.8 | 90.8 | 92.0 | 95.1 | 91.8 | 92.6 | 93.6 | |
| DF/DW 4.63 | | 6300 | 82.0 | 85.7 | 86.9 | 87.8 | 89.8 | 89.5 | 91.5 | 90.6 | 92.9 | 89.8 | 90.0 | 95.3 | |
| OVERALL CALCULATED | | 8000 | 80.6 | 84.2 | 87.2 | 88.4 | 88.7 | 88.7 | 90.0 | 88.1 | 93.4 | 88.1 | 88.4 | 91.7 | |
| | | 10000 | 78.8 | 82.8 | 86.1 | 87.1 | 86.7 | 87.3 | 88.3 | 85.5 | 85.6 | 84.4 | 85.0 | 87.7 | |
| | | 12500 | 78.4 | 82.0 | 86.4 | 86.6 | 85.3 | 87.2 | 87.3 | 85.6 | 85.4 | 83.1 | 83.4 | 84.5 | |
| | | 16000 | 81.4 | 84.3 | 90.6 | 87.4 | 86.3 | 87.2 | 90.4 | 84.4 | 85.9 | 85.8 | 84.0 | 86.3 | |
| | | PH09 | 111.6 | 114.3 | 115.4 | 116.7 | 118.5 | 119.3 | 121.6 | 121.9 | 125.0 | 125.7 | 126.7 | 130.8 | |
| | | PH09 | 101.5 | 103.6 | 104.7 | 105.4 | 106.9 | 108.3 | 110.1 | 111.3 | 114.4 | 117.6 | 120.8 | 123.4 | |
| | | PH09 | 101.5 | 103.6 | 104.7 | 105.4 | 106.9 | 108.3 | 110.1 | 111.3 | 114.4 | 117.6 | 120.8 | 123.4 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 7 | 768 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

| FREQ. | FULL SIZE SOUND PRESSURE | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | REL. HUM. DAY | | | | |
|--------------------|--------------------------|--------|--------|--------|--------|--|--------|--------|--------|--------|---|--------|--------|--------|--------|---------------|--------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | | | | | | 90. | 100. | 110. | 120. | 130. | | | | | |
| NO EGA | (0.73) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.13) | (3.30) | (3.47) | (3.64) | (3.81) | (3.98) |
| SIDELINE 2400. FT. | 53.0 | 58.6 | 61.1 | 61.7 | 63.2 | 64.9 | 66.7 | 67.2 | 68.6 | 69.4 | 70.2 | 70.9 | 71.5 | 72.2 | 72.8 | 73.4 | 73.9 | 74.7 | 75.4 | 76.3 |
| (731.52 M) | 54.7 | 60.6 | 63.2 | 63.7 | 65.5 | 66.7 | 67.7 | 68.5 | 69.4 | 70.2 | 70.9 | 71.5 | 72.2 | 72.8 | 73.4 | 73.9 | 74.7 | 75.4 | 76.3 | 77.5 |
| NFA | 56.9 | 60.3 | 63.2 | 63.7 | 65.5 | 66.7 | 67.7 | 68.5 | 69.4 | 70.2 | 70.9 | 71.5 | 72.2 | 72.8 | 73.4 | 73.9 | 74.7 | 75.4 | 76.3 | 77.5 |
| (1. RPM) | 58.1 | 61.5 | 63.2 | 63.7 | 65.5 | 66.7 | 67.7 | 68.5 | 69.4 | 70.2 | 70.9 | 71.5 | 72.2 | 72.8 | 73.4 | 73.9 | 74.7 | 75.4 | 76.3 | 77.5 |
| (0. RAD/SEC) | 59.7 | 62.7 | 64.6 | 65.1 | 66.6 | 67.4 | 68.1 | 68.8 | 69.4 | 70.2 | 70.9 | 71.5 | 72.2 | 72.8 | 73.4 | 73.9 | 74.7 | 75.4 | 76.3 | 77.5 |
| HFK | 62.8 | 65.3 | 67.3 | 67.8 | 69.1 | 69.8 | 70.5 | 71.1 | 71.7 | 72.3 | 72.9 | 73.5 | 74.1 | 74.7 | 75.3 | 75.9 | 76.5 | 77.1 | 77.7 | 78.3 |
| (0. RAD/SEC) | 64.4 | 67.4 | 69.3 | 69.8 | 71.1 | 71.8 | 72.5 | 73.1 | 73.7 | 74.3 | 74.9 | 75.5 | 76.1 | 76.7 | 77.3 | 77.9 | 78.5 | 79.1 | 79.7 | 80.3 |
| NFD | 65.9 | 68.5 | 70.5 | 71.0 | 72.3 | 72.9 | 73.5 | 74.1 | 74.7 | 75.3 | 75.9 | 76.5 | 77.1 | 77.7 | 78.3 | 78.9 | 79.5 | 80.1 | 80.7 | 81.3 |
| (7500. RPM) | 67.1 | 69.7 | 71.7 | 72.2 | 73.6 | 74.1 | 74.7 | 75.3 | 75.9 | 76.5 | 77.1 | 77.7 | 78.3 | 78.9 | 79.5 | 80.1 | 80.7 | 81.3 | 81.9 | 82.5 |
| (785. RAD/SEC) | 68.3 | 70.9 | 72.9 | 73.4 | 74.8 | 75.3 | 75.9 | 76.5 | 77.1 | 77.7 | 78.3 | 78.9 | 79.5 | 80.1 | 80.7 | 81.3 | 81.9 | 82.5 | 83.1 | 83.7 |
| AIRFLOW RATIO | 500 | 59.6 | 62.9 | 66.0 | 67.6 | 69.0 | 70.5 | 72.5 | 73.6 | 74.2 | 74.8 | 75.4 | 76.0 | 76.6 | 77.2 | 77.8 | 78.4 | 79.0 | 79.6 | 80.2 |
| WF/W 4.63 | 630 | 59.5 | 63.6 | 65.3 | 66.7 | 68.0 | 69.4 | 71.8 | 73.4 | 74.0 | 74.6 | 75.2 | 75.8 | 76.4 | 77.0 | 77.6 | 78.2 | 78.8 | 79.4 | 80.0 |
| VEHICLE | 800 | 57.6 | 61.4 | 64.2 | 65.7 | 67.8 | 69.1 | 71.3 | 73.2 | 74.2 | 74.8 | 75.4 | 76.0 | 76.6 | 77.2 | 77.8 | 78.4 | 79.0 | 79.6 | 80.2 |
| CELL 41 | 1000 | 56.4 | 60.6 | 63.3 | 65.1 | 67.2 | 68.6 | 70.5 | 71.3 | 72.8 | 73.2 | 73.8 | 74.4 | 75.0 | 75.6 | 76.2 | 76.8 | 77.4 | 78.0 | 78.6 |
| CONFIG | 1250 | 55.0 | 59.2 | 61.7 | 63.8 | 66.3 | 68.4 | 70.3 | 70.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| LOC C41 ANECH CH | 1600 | 52.0 | 56.3 | 59.0 | 62.0 | 65.0 | 67.1 | 69.0 | 68.8 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| DATE C6-1C-76 | 2000 | 48.1 | 55.0 | 57.6 | 60.4 | 63.7 | 66.2 | 68.9 | 68.8 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| RUN CONF7HIGHFLW | 2500 | 43.0 | 50.6 | 54.0 | 57.1 | 59.7 | 61.6 | 63.7 | 66.9 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| TAPE X07680 | 3150 | 37.0 | 45.1 | 48.8 | 53.1 | 56.0 | 58.7 | 61.6 | 63.7 | 66.2 | 68.9 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| FAN TIP SPEED | 4000 | 27.1 | 36.1 | 41.6 | 45.1 | 50.2 | 52.9 | 55.7 | 58.5 | 61.3 | 64.1 | 66.9 | 69.7 | 72.5 | 75.3 | 78.1 | 80.9 | 83.7 | 86.5 | 89.3 |
| FT/SEC | 5000 | 21.6 | 31.8 | 37.1 | 40.5 | 44.7 | 45.4 | 46.0 | 46.6 | 47.2 | 47.8 | 48.4 | 49.0 | 49.6 | 50.2 | 50.8 | 51.4 | 52.0 | 52.6 | 53.2 |
| | 6300 | 8.0 | 20.9 | 27.8 | 32.2 | 36.1 | 36.5 | 37.8 | 38.4 | 39.0 | 39.6 | 40.2 | 40.8 | 41.4 | 42.0 | 42.6 | 43.2 | 43.8 | 44.4 | 45.0 |
| | 8300 | | 1.9 | 12.7 | 18.7 | 21.6 | 22.4 | 22.8 | 23.4 | 24.0 | 24.6 | 25.2 | 25.8 | 26.4 | 27.0 | 27.6 | 28.2 | 28.8 | 29.4 | 30.0 |
| | 10000 | | | | | 0.8 | 2.5 | 2.5 | 2.4 | | | | | | | | | | | |
| OVERALL CALCULATED | 16000 | 70.6 | 74.3 | 76.6 | 78.1 | 79.9 | 81.7 | 83.0 | 84.2 | 86.6 | 89.6 | 91.7 | 91.7 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| | | 74.8 | 79.3 | 82.0 | 84.1 | 86.7 | 88.2 | 90.0 | 90.4 | 92.3 | 93.8 | 93.7 | 93.7 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 768 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| NO. 63 | | | | | | | | | | | | | | | | |
|--------------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| RDG. NO. | 40. FT. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL | | |
| RADIAL (12. M) | | | | | | | | | | | | | | | | |
| 125 | 79.3 | 84.6 | 55.9 | 59.5 | 91.0 | 91.4 | 91.7 | 91.7 | 90.6 | 90.2 | 99.6 | 101.3 | 102.6 | 136.4 | | |
| 160 | 79.4 | 81.9 | 55.9 | 59.7 | 86.5 | 86.9 | 86.8 | 85.0 | 89.7 | 95.5 | 100.9 | 102.1 | 104.4 | 137.1 | | |
| VEHICLE | CELL41 | | | | | | | | | | | | | | | |
| 200 | 82.3 | 83.0 | 54.0 | 59.3 | 86.7 | 87.3 | 88.7 | 90.1 | 94.0 | 98.4 | 103.1 | 107.0 | 108.3 | 140.8 | | |
| CONFIS | NC54 | | | | | | | | | | | | | | | |
| 250 | 81.6 | 85.3 | 55.8 | 59.4 | 87.5 | 88.3 | 91.5 | 91.9 | 94.6 | 100.2 | 107.1 | 109.0 | 110.1 | 143.0 | | |
| LOC | C41 AVECH CH | | | | | | | | | | | | | | | |
| DATE | 05-10-75 | | | | | | | | | | | | | | | |
| 315 | 82.9 | 87.2 | 55.7 | 59.7 | 90.1 | 91.2 | 92.1 | 93.5 | 96.4 | 102.8 | 109.2 | 111.6 | 112.7 | 145.4 | | |
| RUN | CONF741GHFLW | | | | | | | | | | | | | | | |
| 400 | 84.9 | 87.0 | 57.0 | 59.8 | 89.8 | 91.0 | 92.3 | 94.5 | 98.2 | 105.3 | 111.7 | 113.7 | 113.0 | 147.1 | | |
| CONF741GHFLW | | | | | | | | | | | | | | | | |
| 500 | 85.5 | 86.8 | 58.3 | 59.8 | 90.2 | 92.3 | 93.9 | 95.1 | 99.3 | 107.4 | 113.1 | 115.0 | 113.3 | 148.3 | | |
| TAPE | X07690 | | | | | | | | | | | | | | | |
| 630 | 86.9 | 88.4 | 59.1 | 60.2 | 92.0 | 93.1 | 95.0 | 96.4 | 100.9 | 107.5 | 114.2 | 116.1 | 114.1 | 149.3 | | |
| BAR | 29.4 HG | | | | | | | | | | | | | | | |
| 800 | 89.1 | 89.7 | 70.9 | 71.9 | 93.5 | 94.4 | 96.5 | 97.7 | 102.4 | 108.7 | 115.4 | 116.6 | 114.9 | 150.2 | | |
| (99212. N/M2) | | | | | | | | | | | | | | | | |
| TAMB | 70. DEG F | | | | | | | | | | | | | | | |
| 1000 | 92.7 | 93.7 | 73.7 | 74.3 | 94.9 | 96.0 | 97.1 | 98.3 | 103.2 | 108.8 | 114.5 | 115.9 | 115.5 | 149.6 | | |
| (294. DEG K) | | | | | | | | | | | | | | | | |
| 1250 | 91.5 | 93.6 | 74.6 | 74.6 | 95.5 | 97.1 | 98.2 | 100.4 | 103.8 | 108.7 | 113.1 | 116.3 | 114.8 | 149.6 | | |
| TWET | 63. DEG F | | | | | | | | | | | | | | | |
| 1600 | 91.1 | 93.2 | 72.9 | 74.0 | 95.3 | 97.2 | 98.6 | 99.5 | 104.4 | 108.7 | 113.1 | 116.3 | 114.4 | 148.9 | | |
| (290. DEG K) | | | | | | | | | | | | | | | | |
| 2000 | 95.7 | 95.0 | 94.7 | 94.8 | 95.9 | 97.2 | 98.6 | 101.0 | 104.0 | 107.6 | 111.0 | 114.2 | 112.2 | 147.9 | | |
| HACT12.59 SM/M3 | | | | | | | | | | | | | | | | |
| (.01259 KG/M3) | | | | | | | | | | | | | | | | |
| 2500 | 100.3 | 99.1 | 98.1 | 98.1 | 96.0 | 97.3 | 99.0 | 100.6 | 104.6 | 106.7 | 110.1 | 113.0 | 110.6 | 147.2 | | |
| FREQ. SHIFT | | | | | | | | | | | | | | | | |
| 4000 | 97.0 | 98.1 | 99.1 | 100.1 | 101.0 | 98.8 | 98.5 | 101.1 | 103.6 | 106.2 | 109.4 | 109.5 | 106.6 | 146.9 | | |
| JET | | | | | | | | | | | | | | | | |
| 5000 | 94.6 | 96.2 | 97.5 | 98.5 | 99.3 | 100.7 | 99.8 | 101.3 | 103.5 | 104.6 | 108.5 | 108.7 | 106.5 | 145.4 | | |
| DIAMETER RATIO | | | | | | | | | | | | | | | | |
| DF/DM 1.80 | | | | | | | | | | | | | | | | |
| 6300 | 93.0 | 94.5 | 95.3 | 96.8 | 98.2 | 100.0 | 102.4 | 101.6 | 103.6 | 103.7 | 107.6 | 107.8 | 106.8 | 145.1 | | |
| 8000 | 91.3 | 93.1 | 93.4 | 95.4 | 97.7 | 99.3 | 101.2 | 101.9 | 103.2 | 103.3 | 106.2 | 106.8 | 105.3 | 144.5 | | |
| 10000 | 88.9 | 93.0 | 93.1 | 94.6 | 97.2 | 97.3 | 99.9 | 101.1 | 103.1 | 102.3 | 105.0 | 106.1 | 104.5 | 143.9 | | |
| 12500 | 86.1 | 90.3 | 91.2 | 92.7 | 94.7 | 95.8 | 98.7 | 98.6 | 100.7 | 99.9 | 103.3 | 104.4 | 103.3 | 142.5 | | |
| 16000 | 84.9 | 88.4 | 89.6 | 91.6 | 93.6 | 94.4 | 97.6 | 96.1 | 99.6 | 98.4 | 101.5 | 103.3 | 102.4 | 141.9 | | |
| 20000 | 81.7 | 85.5 | 86.9 | 88.2 | 92.2 | 91.6 | 95.7 | 93.6 | 96.9 | 94.7 | 96.0 | 98.7 | 99.1 | 139.6 | | |
| 25000 | 78.3 | 83.1 | 84.0 | 85.8 | 88.3 | 88.2 | 90.3 | 90.4 | 94.0 | 90.9 | 94.5 | 95.9 | 95.9 | 137.7 | | |
| 31500 | 76.1 | 81.0 | 82.9 | 84.4 | 86.4 | 85.8 | 89.0 | 87.9 | 90.5 | 87.1 | 91.0 | 95.1 | 93.6 | 137.7 | | |
| 40000 | 72.1 | 76.7 | 80.1 | 80.9 | 82.2 | 82.0 | 85.2 | 82.9 | 85.7 | 84.1 | 87.4 | 90.0 | 89.2 | 136.7 | | |
| 50000 | 66.8 | 71.5 | 75.0 | 75.5 | 75.4 | 76.4 | 80.0 | 76.5 | 79.3 | 77.1 | 82.0 | 84.7 | 82.5 | 135.1 | | |
| 63000 | 61.3 | 65.2 | 69.4 | 69.3 | 69.0 | 70.2 | 74.0 | 70.8 | 73.2 | 70.9 | 75.6 | 79.2 | 76.4 | 135.4 | | |
| 80000 | 58.0 | 61.5 | 67.2 | 64.6 | 63.4 | 64.6 | 73.2 | 65.5 | 68.5 | 65.6 | 72.4 | 73.9 | 72.1 | 140.9 | | |
| OVERALL MEASURED | | | | | | | | | | | | | | | | |
| OVERALL CALC LATED | | | | | | | | | | | | | | | | |
| PN03 | | | | | | | | | | | | | | | | |
| 106.4 | 107.4 | 107.7 | 108.2 | 109.2 | 109.8 | 111.3 | 112.4 | 115.5 | 118.9 | 123.9 | 125.9 | 124.7 | | 160.3 | | |
| 120.2 | 121.4 | 121.7 | 122.1 | 122.7 | 122.7 | 123.7 | 124.3 | 125.3 | 130.3 | 134.9 | 136.9 | 135.2 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 769 TEST POINT ACOUSTIC RANGE SIZE
 12.2m(40ft.) ARC MODEL-154cm²(23.9in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | |
| C. D. C.) (C. | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 769 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL - 33m²(513in²)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| FREQ. | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | HUM. DAY | | | | |
|--------------------|--------|--------|--------|--------|--------|---|--------|--------|--------|--------|----------|--------|--------|--------|--------|
| | | | | | | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| NO EGA | (0.75) | (0.87) | (1.05) | (1.22) | (1.43) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| STRAKE 2400. FT. | 50 | 55.2 | 60.6 | 63.1 | 65.4 | 67.5 | 69.5 | 70.9 | 72.7 | 74.4 | 75.4 | 76.9 | 78.0 | 79.4 | 80.5 |
| (731.52 M) | 63 | 56.5 | 62.4 | 62.0 | 64.7 | 67.5 | 69.5 | 70.9 | 72.7 | 74.4 | 75.4 | 76.9 | 78.0 | 79.4 | 80.5 |
| NFA | 80 | 58.4 | 62.1 | 65.2 | 65.4 | 67.2 | 68.5 | 69.7 | 71.4 | 72.4 | 73.2 | 74.2 | 75.4 | 76.9 | 78.0 |
| (1. RPM) | 100 | 58.9 | 61.8 | 64.4 | 65.7 | 67.5 | 69.7 | 71.2 | 72.0 | 73.2 | 74.2 | 75.4 | 76.9 | 78.0 | 81.3 |
| (0. RAD/SEC) | 125 | 60.1 | 63.3 | 65.2 | 67.0 | 69.2 | 70.5 | 72.2 | 73.2 | 74.2 | 75.4 | 76.9 | 78.0 | 81.3 | 81.8 |
| NFK | 160 | 62.2 | 64.4 | 66.8 | 68.6 | 70.6 | 71.6 | 73.6 | 74.4 | 75.3 | 76.4 | 77.4 | 78.3 | 83.5 | 88.5 |
| (1. RPM) | 200 | 65.6 | 68.3 | 69.5 | 70.8 | 71.8 | 73.1 | 74.1 | 75.3 | 76.0 | 76.7 | 77.4 | 78.4 | 86.4 | 80.8 |
| (0. RAD/SEC) | 250 | 64.2 | 67.9 | 70.2 | 71.0 | 72.3 | 74.0 | 75.0 | 76.7 | 79.4 | 83.0 | 85.7 | 86.4 | 80.8 | 79.8 |
| NFD | 315 | 63.4 | 67.3 | 68.3 | 70.1 | 71.9 | 73.9 | 74.2 | 75.6 | 79.8 | 81.9 | 84.3 | 85.3 | 85.3 | 76.7 |
| (7500. RPM) | 400 | 67.6 | 68.7 | 69.8 | 70.6 | 72.2 | 73.7 | 74.9 | 76.9 | 79.0 | 81.3 | 82.9 | 83.3 | 81.5 | 74.1 |
| (785. RAD/SEC) | 500 | 71.6 | 72.4 | 72.7 | 71.6 | 72.0 | 73.5 | 75.0 | 76.1 | 79.2 | 80.0 | 81.5 | 81.5 | 81.5 | 71.0 |
| AIRFLOW RATIO | 630 | 70.0 | 73.6 | 74.8 | 75.4 | 76.3 | 77.1 | 78.3 | 79.5 | 79.0 | 79.2 | 80.6 | 79.3 | 71.0 | 67.1 |
| WF/W 4.63 | 800 | 66.9 | 70.2 | 72.7 | 74.7 | 76.0 | 76.4 | 77.3 | 78.3 | 79.2 | 79.2 | 80.6 | 79.3 | 71.0 | 67.1 |
| VEHICLE | 1000 | 63.4 | 67.4 | 70.3 | 72.3 | 73.7 | 75.3 | 74.2 | 75.1 | 76.3 | 75.8 | 77.3 | 73.7 | 64.9 | 57.8 |
| CONFIG | 1250 | 60.5 | 64.7 | 67.2 | 69.8 | 71.8 | 73.9 | 76.0 | 74.6 | 75.5 | 73.9 | 75.2 | 71.1 | 62.8 | 57.8 |
| LOC C41 ANECHO | 1600 | 57.0 | 61.8 | 64.0 | 67.3 | 70.3 | 72.1 | 73.8 | 73.8 | 72.0 | 72.0 | 72.0 | 67.9 | 57.8 | 52.8 |
| DATE 06-10-76 | 2000 | 52.6 | 60.0 | 62.3 | 65.2 | 68.5 | 68.8 | 71.2 | 71.7 | 72.3 | 69.3 | 68.6 | 64.3 | 52.8 | 45.5 |
| RUN CONF7HIGHFLW | 2500 | 46.7 | 54.9 | 58.3 | 61.3 | 64.2 | 65.6 | 68.2 | 67.2 | 67.8 | 64.5 | 64.0 | 58.6 | 45.5 | 34.8 |
| TAPE X07690 | 3150 | 40.7 | 49.1 | 53.3 | 57.1 | 60.2 | 61.4 | 64.2 | 61.7 | 63.3 | 59.0 | 57.3 | 51.1 | 34.8 | 15.7 |
| FAN TIP SPEED | 4000 | 30.1 | 40.1 | 45.3 | 49.1 | 54.4 | 54.2 | 57.9 | 54.4 | 55.4 | 49.3 | 44.5 | 36.7 | 27.8 | 5.7 |
| FT/SEC | 5000 | 23.3 | 35.1 | 40.3 | 44.8 | 48.7 | 49.2 | 50.7 | 49.4 | 50.3 | 42.9 | 39.5 | 27.8 | 12.1 | |
| | 6300 | 9.0 | 23.1 | 30.8 | 35.7 | 39.6 | 39.7 | 42.3 | 39.3 | 38.3 | 29.2 | 23.9 | 12.1 | | |
| | 8000 | | 3.6 | 14.9 | 20.4 | 24.3 | 24.9 | 27.3 | 22.4 | 20.4 | 11.0 | 1.5 | | | |
| | 10000 | | | | | 1.8 | 4.0 | 6.4 | | | | | | | |
| | 12500 | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 77.2 | 79.9 | 81.5 | 82.7 | 83.9 | 84.8 | 85.9 | 86.9 | 89.5 | 92.6 | 96.2 | 95.8 | 90.7 | | |
| PND8 | 82.8 | 80.1 | 88.0 | 89.5 | 91.1 | 92.3 | 93.9 | 94.1 | 95.8 | 96.9 | 99.4 | 92.4 | 92.0 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 769 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

| FREQ. | 40.
(C.70) | 50.
(0.87) | 60.
(1.05) | 70.
(1.22) | 80.
(1.40) | 90.
(1.57) | 100.
(1.73) | 120.
(2.09) | 130.
(2.27) | 140.
(2.44) | 150.
(2.62) | 160.
(2.79) | 0.
(0.) | 3.
(0.) | PAL
(0.) |
|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|------------|-------------|
| NO EGA | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 |
| RDG. NO. | 77.4 | 85.7 | 82.4 | 84.5 | 84.8 | 85.4 | 87.8 | 87.0 | 87.7 | 90.7 | 91.4 | 92.6 | 94.4 | 130.2 | 130.2 |
| RADIAL (40. FT. | 72.3 | 77.4 | 78.9 | 80.7 | 82.2 | 84.1 | 84.2 | 85.4 | 83.6 | 82.9 | 90.9 | 92.3 | 93.1 | 128.0 | 128.0 |
| VEHICLE CELL41 | 73.1 | 76.2 | 78.2 | 79.8 | 79.8 | 80.2 | 80.5 | 82.0 | 83.7 | 89.0 | 91.9 | 93.4 | 95.2 | 128.7 | 128.7 |
| CONFIG NC52 | 75.5 | 76.3 | 77.5 | 79.3 | 79.3 | 80.8 | 82.2 | 84.6 | 86.8 | 89.9 | 94.1 | 97.8 | 99.0 | 131.7 | 131.7 |
| LOC C41 ANECH CH | 75.1 | 77.8 | 78.8 | 78.9 | 80.5 | 82.1 | 84.2 | 85.9 | 87.6 | 91.7 | 96.6 | 98.8 | 99.8 | 133.1 | 133.1 |
| DATE G6-08-76 | 76.4 | 79.4 | 79.7 | 81.5 | 83.3 | 84.2 | 85.8 | 87.5 | 89.4 | 94.0 | 98.0 | 101.4 | 101.4 | 135.1 | 135.1 |
| RUN CONF7WIGHFLW | 78.2 | 80.0 | 81.5 | 82.3 | 83.3 | 84.7 | 85.8 | 88.8 | 91.5 | 95.8 | 99.7 | 101.2 | 101.0 | 135.7 | 135.7 |
| TAPE X07700 | 79.0 | 80.3 | 82.0 | 82.8 | 84.2 | 85.8 | 86.9 | 89.3 | 92.8 | 97.4 | 100.1 | 101.0 | 99.5 | 135.9 | 135.9 |
| BAR 29.4 HG | 80.1 | 82.1 | 82.4 | 83.9 | 85.3 | 86.4 | 88.8 | 90.9 | 93.6 | 97.5 | 99.9 | 100.1 | 98.1 | 135.7 | 135.7 |
| (99414. N/M2) | 80.9 | 82.9 | 83.9 | 84.9 | 86.8 | 88.2 | 89.5 | 91.9 | 94.7 | 98.7 | 100.2 | 99.4 | 96.9 | 136.1 | 136.1 |
| TAMB 64. DEG F | 82.2 | 84.0 | 85.2 | 85.8 | 87.4 | 89.0 | 89.9 | 92.5 | 95.2 | 98.6 | 99.3 | 97.4 | 95.5 | 135.6 | 135.6 |
| (291. DEG K) | 82.3 | 83.8 | 86.3 | 86.4 | 87.2 | 89.1 | 90.4 | 93.4 | 95.8 | 98.6 | 98.6 | 97.3 | 94.3 | 135.7 | 135.7 |
| TWET 59. DEG F | 82.6 | 84.9 | 86.2 | 86.7 | 88.1 | 90.2 | 91.3 | 93.2 | 96.2 | 98.5 | 98.7 | 96.9 | 94.4 | 135.8 | 135.8 |
| (288. DEG K) | 82.7 | 85.2 | 86.5 | 86.5 | 88.6 | 89.7 | 92.1 | 94.3 | 96.7 | 98.1 | 97.3 | 96.2 | 93.0 | 135.4 | 135.4 |
| HACT11.34 GM/M3 | 83.0 | 85.6 | 87.6 | 87.4 | 88.7 | 89.8 | 91.5 | 94.1 | 96.3 | 96.7 | 96.4 | 95.8 | 93.8 | 135.1 | 135.1 |
| (.0134 KG/M3) | 83.5 | 88.0 | 89.8 | 90.1 | 91.7 | 94.5 | 93.4 | 96.1 | 96.8 | 96.4 | 96.6 | 95.8 | 95.5 | 136.4 | 136.4 |
| FREQ. SHIFT | 81.5 | 85.1 | 87.1 | 87.4 | 89.0 | 90.8 | 92.0 | 94.6 | 95.6 | 95.7 | 94.4 | 93.5 | 91.8 | 134.6 | 134.6 |
| JET 0 | 81.1 | 84.0 | 85.0 | 86.8 | 88.1 | 89.7 | 91.1 | 94.3 | 95.2 | 94.3 | 94.3 | 91.9 | 91.7 | 133.9 | 133.9 |
| DIAMETER RATIO | 80.5 | 84.5 | 85.3 | 86.1 | 88.2 | 90.3 | 91.4 | 93.6 | 95.1 | 93.9 | 92.6 | 92.3 | 92.5 | 133.9 | 133.9 |
| DF/DM 1.00 | 79.5 | 82.9 | 83.7 | 85.7 | 88.2 | 89.9 | 91.5 | 93.7 | 94.7 | 93.8 | 92.7 | 92.3 | 92.9 | 133.9 | 133.9 |
| | 77.4 | 82.1 | 83.4 | 84.9 | 87.9 | 88.3 | 89.9 | 92.6 | 93.9 | 93.1 | 91.0 | 91.8 | 92.8 | 133.3 | 133.3 |
| | 75.6 | 80.1 | 82.0 | 83.2 | 86.0 | 86.9 | 88.9 | 90.5 | 91.8 | 90.7 | 89.1 | 89.7 | 91.4 | 131.9 | 131.9 |
| | 74.0 | 78.5 | 79.7 | 82.4 | 84.9 | 85.5 | 87.7 | 88.9 | 90.7 | 89.7 | 87.8 | 88.1 | 90.2 | 131.4 | 131.4 |
| | 72.2 | 76.6 | 78.0 | 79.8 | 83.3 | 83.7 | 85.2 | 85.8 | 87.7 | 86.0 | 83.9 | 84.3 | 87.2 | 129.6 | 129.6 |
| | 71.1 | 75.9 | 76.6 | 78.4 | 81.1 | 81.1 | 82.8 | 82.1 | 85.1 | 82.1 | 81.6 | 80.2 | 83.0 | 128.2 | 128.2 |
| | 69.2 | 73.6 | 74.8 | 76.8 | 81.0 | 82.7 | 83.0 | 84.0 | 81.9 | 79.5 | 77.2 | 77.5 | 79.2 | 130.3 | 130.3 |
| | 66.5 | 77.4 | 79.6 | 80.1 | 82.1 | 83.6 | 83.4 | 83.1 | 80.1 | 76.5 | 73.1 | 71.9 | 74.4 | 133.0 | 133.0 |
| | 57.9 | 65.4 | 69.2 | 69.7 | 69.0 | 70.1 | 72.3 | 72.4 | 71.2 | 68.6 | 66.2 | 63.8 | 66.1 | 126.2 | 126.2 |
| | 51.7 | 57.3 | 62.1 | 61.4 | 60.4 | 61.1 | 65.0 | 63.2 | 63.0 | 60.0 | 57.0 | 56.6 | 58.1 | 124.3 | 124.3 |
| | 48.3 | 52.8 | 58.9 | 56.2 | 55.3 | 57.7 | 62.5 | 57.6 | 57.3 | 54.3 | 50.8 | 50.8 | 54.2 | 129.4 | 129.4 |
| OVERALL MEASURED | 93.7 | 96.9 | 98.2 | 99.0 | 100.7 | 102.3 | 103.4 | 105.7 | 107.4 | 109.2 | 110.3 | 110.6 | 110.1 | 148.3 | 148.3 |
| OVERALL CALCULATED | 106.8 | 110.4 | 111.8 | 112.4 | 114.0 | 116.1 | 116.4 | 118.9 | 120.2 | 121.1 | 121.6 | 121.3 | 120.6 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 770 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTIS)

| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | O. (C.) |
| 50 | 76.9 | 79.7 | 80.7 | 80.7 | 82.3 | 83.9 | 86.1 | 87.7 | 89.4 | 93.5 | 98.4 | 100.6 | 101.7 | (2.79) |
| 30 | 78.2 | 81.3 | 81.5 | 83.3 | 85.2 | 86.0 | 87.7 | 89.3 | 91.3 | 95.8 | 99.8 | 103.2 | 103.3 | (2.62) |
| 100 | 80.0 | 81.8 | 83.3 | 84.1 | 85.2 | 86.5 | 87.7 | 90.6 | 93.3 | 97.6 | 101.6 | 103.0 | 102.8 | (2.44) |
| 125 | 82.0 | 84.0 | 84.2 | 85.8 | 87.1 | 88.2 | 90.6 | 92.8 | 95.5 | 99.3 | 101.8 | 101.9 | 101.4 | (2.27) |
| 160 | 82.7 | 84.7 | 85.8 | 86.8 | 88.6 | 90.0 | 91.4 | 93.8 | 96.5 | 100.6 | 102.0 | 101.2 | 98.7 | (2.09) |
| 200 | 84.0 | 85.8 | 87.1 | 87.6 | 89.2 | 90.8 | 91.7 | 94.4 | 97.1 | 100.4 | 101.1 | 99.3 | 97.3 | (1.92) |
| 250 | 84.1 | 86.7 | 88.2 | 88.2 | 89.1 | 90.9 | 92.3 | 95.2 | 97.7 | 100.5 | 100.5 | 99.1 | 96.2 | (1.75) |
| 315 | 84.5 | 86.8 | 88.0 | 88.6 | 89.9 | 92.0 | 93.2 | 95.1 | 98.0 | 100.4 | 100.6 | 98.7 | 96.3 | (1.57) |
| 400 | 84.5 | 87.1 | 88.3 | 88.4 | 90.5 | 91.6 | 94.0 | 96.1 | 97.6 | 99.9 | 99.1 | 98.0 | 94.8 | (1.40) |
| 500 | 84.9 | 87.4 | 89.5 | 89.2 | 90.6 | 91.7 | 93.3 | 96.0 | 98.2 | 98.5 | 98.2 | 97.7 | 95.7 | (1.22) |
| 630 | 85.4 | 90.0 | 91.7 | 92.0 | 93.6 | 96.5 | 95.3 | 98.0 | 98.7 | 98.3 | 98.5 | 97.7 | 97.5 | (1.05) |
| 800 | 83.5 | 87.0 | 89.1 | 89.3 | 90.9 | 92.8 | 93.9 | 96.0 | 97.6 | 97.7 | 96.3 | 95.5 | 93.8 | (.92) |
| 1000 | 83.1 | 85.9 | 87.0 | 88.7 | 90.1 | 91.7 | 93.1 | 96.2 | 97.2 | 96.3 | 95.2 | 93.9 | 93.7 | (.87) |
| 1250 | 82.5 | 86.6 | 87.4 | 88.2 | 90.2 | 92.4 | 93.5 | 95.7 | 97.2 | 96.0 | 94.7 | 94.3 | 94.6 | (.82) |
| 1600 | 81.7 | 85.1 | 85.9 | 87.9 | 90.5 | 92.1 | 93.7 | 95.9 | 96.9 | 96.0 | 94.9 | 94.6 | 95.1 | (.77) |
| 2000 | 79.9 | 84.5 | 85.9 | 87.3 | 90.4 | 90.8 | 92.4 | 95.1 | 96.4 | 95.0 | 93.4 | 94.3 | 95.3 | (.72) |
| 2500 | 78.4 | 82.9 | 84.8 | 86.0 | 88.8 | 89.7 | 91.7 | 93.3 | 94.5 | 93.5 | 91.9 | 92.4 | 94.2 | (.67) |
| 3150 | 77.3 | 81.8 | 83.1 | 85.7 | 88.3 | 88.8 | 91.1 | 92.2 | 94.1 | 93.1 | 91.2 | 91.4 | 93.6 | (.62) |
| 4000 | 76.3 | 80.6 | 82.0 | 83.9 | 87.4 | 87.7 | 89.2 | 89.8 | 91.8 | 90.1 | 87.9 | 88.4 | 91.2 | (.57) |
| 5000 | 76.4 | 81.3 | 82.0 | 83.7 | 86.4 | 86.4 | 88.1 | 87.5 | 90.5 | 87.4 | 86.9 | 85.5 | 88.3 | (.52) |
| 6300 | 76.2 | 83.5 | 85.8 | 87.9 | 90.2 | 89.6 | 89.9 | 90.9 | 88.8 | 86.4 | 84.1 | 84.5 | 86.2 | (.47) |
| 8000 | 75.7 | 86.6 | 88.8 | 89.3 | 91.4 | 92.9 | 92.6 | 92.4 | 89.4 | 85.8 | 82.3 | 81.1 | 83.7 | (.42) |
| 10000 | 70.2 | 77.7 | 81.5 | 82.0 | 81.3 | 82.4 | 84.6 | 84.7 | 83.6 | 80.9 | 78.5 | 76.2 | 78.4 | (.37) |
| 12500 | 69.5 | 74.1 | 78.8 | 78.2 | 77.2 | 77.9 | 81.7 | 80.0 | 80.1 | 76.8 | 73.8 | 73.4 | 74.9 | (.32) |
| 16000 | 71.5 | 75.9 | 82.0 | 79.3 | 78.4 | 80.8 | 85.7 | 80.8 | 80.7 | 77.4 | 73.9 | 73.9 | 77.3 | (.27) |
| OVERALL CALCULATED | 95.6 | 98.9 | 100.5 | 101.2 | 103.1 | 104.6 | 105.7 | 107.8 | 109.4 | 111.0 | 111.9 | 112.1 | 111.3 | (.22) |
| PDR | 135.2 | 109.4 | 111.0 | 112.4 | 114.6 | 115.6 | 117.1 | 118.7 | 120.2 | 120.0 | 119.3 | 119.2 | 119.7 | (.17) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 770 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(51in²)

PROC. DATE - MONTH 8 DAY 26 HR. 18.5

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | | | | | | | | | | | |
| NO EGA | | 50 | 48.7 | 53.1 | 55.1 | 55.9 | 57.9 | 59.7 | 61.7 | 63.9 | 66.9 | 70.3 | 70.2 |
| SIDELINE 2400. FT. | | 63 | 50.0 | 54.6 | 56.0 | 58.5 | 60.7 | 61.7 | 63.2 | 64.5 | 65.7 | 69.2 | 71.5 |
| (731.52 M) | | 80 | 51.7 | 55.1 | 57.7 | 59.2 | 60.7 | 62.2 | 63.2 | 65.7 | 67.7 | 70.9 | 73.2 |
| NFA | | 100 | 52.4 | 55.3 | 58.2 | 59.7 | 61.5 | 63.2 | 64.2 | 66.2 | 68.9 | 72.4 | 73.5 |
| 1. RPM | | 125 | 53.4 | 57.0 | 58.4 | 60.7 | 62.5 | 63.7 | 66.0 | 67.7 | 72.4 | 73.2 | 72.1 |
| (0. RAD/SEC) | | 160 | 54.0 | 57.7 | 59.8 | 61.6 | 63.9 | 65.4 | 66.6 | 68.6 | 70.6 | 73.5 | 70.0 |
| NFK | | 200 | 55.1 | 58.6 | 61.0 | 62.3 | 64.3 | 66.1 | 66.8 | 69.1 | 71.0 | 73.1 | 72.2 |
| (0. RAD/SEC) | | 250 | 54.9 | 58.2 | 61.9 | 62.7 | 64.0 | 66.0 | 67.3 | 69.7 | 71.4 | 73.0 | 71.2 |
| NFD | | 315 | 54.9 | 59.0 | 61.5 | 62.9 | 64.7 | 66.9 | 67.9 | 69.4 | 71.5 | 72.6 | 71.0 |
| (785. RAD/SEC) | | 400 | 54.5 | 59.0 | 61.5 | 62.4 | 64.9 | 66.2 | 68.4 | 70.1 | 70.7 | 71.8 | 69.1 |
| AIRFLOW RATIO | | 500 | 54.4 | 58.9 | 62.2 | 62.9 | 64.7 | 66.0 | 67.5 | 69.6 | 71.0 | 70.0 | 67.7 |
| W/FWM 4.63 | | 630 | 54.2 | 60.8 | 64.0 | 65.2 | 67.3 | 70.3 | 69.0 | 71.2 | 71.0 | 69.2 | 67.3 |
| VEHICLE | | 800 | 51.4 | 57.1 | 60.7 | 61.9 | 64.0 | 66.1 | 67.0 | 69.1 | 69.2 | 67.8 | 64.2 |
| CELL41 | | 1000 | 49.9 | 55.1 | 57.8 | 60.6 | 62.5 | 64.3 | 65.5 | 68.1 | 68.0 | 65.5 | 63.1 |
| CONFIG NC52 | | 1250 | 48.0 | 54.7 | 57.2 | 59.1 | 61.8 | 64.1 | 65.0 | 66.6 | 67.0 | 64.1 | 60.2 |
| LOC C41 ANECH CH | | 1600 | 45.2 | 51.5 | 54.3 | 57.5 | 60.8 | 62.6 | 64.0 | 65.5 | 65.3 | 62.5 | 58.5 |
| DATE 06-08-76 | | 2000 | 41.1 | 49.1 | 52.6 | 55.4 | 59.2 | 59.8 | 61.2 | 63.2 | 63.1 | 60.1 | 54.6 |
| RUN CONF7HIGHFLW | | 2500 | 36.2 | 44.7 | 49.1 | 51.8 | 55.5 | 56.6 | 58.4 | 59.1 | 58.8 | 55.3 | 49.7 |
| TAPE X07700 | | 3150 | 29.8 | 39.1 | 43.4 | 47.9 | 51.5 | 52.4 | 54.3 | 54.4 | 54.4 | 50.3 | 43.6 |
| FAN TIP SPEED | | 4000 | 20.7 | 31.2 | 36.4 | 40.7 | 43.5 | 46.2 | 47.3 | 46.6 | 46.2 | 40.6 | 32.3 |
| FT/SEC | | 5000 | 16.1 | 27.9 | 32.9 | 37.4 | 41.6 | 42.0 | 43.2 | 41.1 | 41.5 | 34.1 | 26.6 |
| | | 6300 | 2.1 | 18.7 | 26.7 | 32.4 | 36.5 | 36.6 | 36.2 | 35.3 | 29.7 | 21.6 | 10.1 |
| | | 8000 | 4.3 | 14.3 | 19.6 | 24.2 | 26.6 | 25.5 | 22.7 | 14.8 | 3.4 | | |
| | | 10000 | | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | |
| OVERALL CALCULATED | | | 64.9 | 69.3 | 72.1 | 73.5 | 75.6 | 77.5 | 78.5 | 80.4 | 81.6 | 82.8 | 80.5 |
| PNDB | | | 68.7 | 74.7 | 78.0 | 79.8 | 82.4 | 84.4 | 85.1 | 86.7 | 87.2 | 87.0 | 84.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **770** ACUSTIC RANGE **731.5m(2400ft.)** SIDELINE **770** SIZE **FULL-.33m²(513in²)**

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|-------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | | | | | | | | |
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) | | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 90. 100. 110. 120. 130. 140. 150. 160. 160. 0. 0. 0. P/L | | | | | | | | | | | | | | | | |
| NO EGA | 50 | 98.6 | 103.7 | 107.4 | 83.7 | 85.1 | 84.9 | 85.6 | 87.7 | 92.2 | 93.2 | 94.4 | 94.1 | | | 152.4 |
| RDG. NO. C. | 63 | 100.2 | 106.5 | 109.5 | 85.1 | 87.2 | 85.0 | 88.2 | 91.1 | 92.3 | 94.3 | 95.8 | 96.5 | | | 154.6 |
| RADIAL 150. FT. | 80 | 102.3 | 107.5 | 109.5 | 87.1 | 86.9 | 87.3 | 88.7 | 90.6 | 92.8 | 94.4 | 96.6 | 97.5 | | | 155.1 |
| (46. M) | 100 | 102.4 | 107.9 | 109.4 | 87.7 | 87.3 | 87.1 | 89.0 | 91.2 | 93.6 | 95.9 | 97.4 | 99.1 | | | 155.2 |
| VEHICLE CELL41 | 125 | 102.5 | 107.2 | 108.7 | 89.3 | 88.6 | 88.2 | 90.4 | 92.8 | 94.7 | 97.8 | 99.3 | 100.7 | | | 154.9 |
| CONFIG NC53 | 160 | 102.2 | 105.7 | 107.8 | 90.5 | 90.1 | 89.2 | 91.6 | 94.0 | 96.3 | 98.6 | 100.8 | 102.0 | | | 154.3 |
| LOC C41 ANECH CH | 200 | 101.8 | 103.1 | 105.1 | 92.1 | 91.7 | 91.3 | 93.0 | 94.6 | 97.3 | 99.2 | 101.1 | 102.5 | | | 152.9 |
| DATE 06-08-76 | 250 | 99.9 | 102.4 | 102.9 | 92.0 | 91.3 | 91.9 | 93.6 | 95.2 | 97.9 | 99.7 | 102.0 | 103.9 | | | 152.3 |
| RUN CONF7HIGHFLW | 315 | 100.5 | 101.5 | 102.0 | 92.8 | 91.9 | 91.3 | 93.7 | 95.8 | 98.8 | 100.4 | 101.8 | 104.0 | | | 152.2 |
| TAPE X07710 | 400 | 99.3 | 100.8 | 100.1 | 93.4 | 92.2 | 92.6 | 94.0 | 96.6 | 98.3 | 101.2 | 103.1 | 104.0 | | | 152.0 |
| BAR 29.4 HG | 500 | 98.2 | 99.7 | 99.5 | 95.0 | 93.8 | 92.7 | 94.1 | 96.2 | 99.0 | 100.8 | 102.5 | 104.7 | | | 151.9 |
| (99347. N/M2) | 630 | 100.4 | 105.5 | 104.7 | 94.5 | 93.8 | 93.7 | 95.1 | 97.0 | 98.7 | 101.1 | 103.8 | 105.2 | | | 154.2 |
| TAMB 64. DEG F | 800 | 96.7 | 98.0 | 97.6 | 93.6 | 92.9 | 93.0 | 95.2 | 97.3 | 98.6 | 100.9 | 103.3 | 104.0 | | | 151.6 |
| (291. DEG K) | 1000 | 96.1 | 97.4 | 98.5 | 93.5 | 92.8 | 92.4 | 94.6 | 96.7 | 103.0 | 101.3 | 103.2 | 103.6 | | | 151.7 |
| TWET 60. DEG F | 1200 | 94.7 | 97.8 | 99.9 | 92.4 | 92.5 | 91.3 | 94.2 | 97.1 | 99.1 | 102.8 | 103.2 | 103.8 | | | 152.2 |
| (288. DEG K) | 2000 | 93.6 | 98.0 | 100.8 | 90.8 | 93.4 | 91.2 | 93.9 | 97.3 | 98.3 | 101.5 | 102.9 | 103.3 | | | 152.0 |
| HACT11.71 GM/M3 | 2500 | 92.0 | 96.9 | 100.3 | 89.1 | 91.3 | 90.4 | 93.3 | 95.5 | 98.0 | 101.0 | 101.5 | 101.7 | | | 151.8 |
| (.01171 KG/M3) | 3150 | 90.6 | 95.6 | 100.0 | 87.9 | 90.0 | 89.1 | 93.0 | 95.4 | 97.0 | 100.5 | 100.2 | 100.9 | | | 150.9 |
| FREQ. SHIFT | 4000 | 86.4 | 92.2 | 98.0 | 86.0 | 87.7 | 87.9 | 90.6 | 94.6 | 95.7 | 100.0 | 97.7 | 98.5 | | | 150.4 |
| JET 7 | 5000 | 85.0 | 87.7 | 94.4 | 84.6 | 86.6 | 85.9 | 89.1 | 92.2 | 94.0 | 95.8 | 96.2 | 97.4 | | | 149.0 |
| DIAMETER RATIO | 6300 | 82.4 | 88.6 | 93.7 | 84.5 | 86.1 | 86.0 | 89.5 | 92.9 | 93.9 | 96.8 | 95.2 | 95.1 | | | 146.6 |
| DF/DM 4.63 | 8000 | 78.3 | 85.3 | 90.4 | 82.8 | 84.5 | 86.0 | 88.5 | 90.7 | 92.9 | 96.1 | 94.1 | 93.0 | | | 147.0 |
| | 10000 | 74.3 | 79.3 | 85.6 | 79.3 | 81.6 | 83.2 | 86.0 | 88.2 | 90.8 | 93.2 | 91.4 | 89.5 | | | 146.4 |
| | 12500 | 70.1 | 74.4 | 82.3 | 78.2 | 78.9 | 82.4 | 83.7 | 86.2 | 90.3 | 92.1 | 91.0 | 87.9 | | | 144.7 |
| | 16000 | 68.7 | 72.3 | 84.1 | 80.5 | 78.8 | 84.2 | 83.2 | 86.9 | 93.9 | 95.5 | 91.9 | 88.8 | | | 145.2 |
| OVERALL CALCULATED | | 112.3 | 116.3 | 118.1 | 104.6 | 104.6 | 104.1 | 106.3 | 108.7 | 113.9 | 113.5 | 114.6 | 115.7 | | | 149.8 |
| PND8 | | 119.2 | 123.2 | 126.1 | 114.8 | 116.0 | 115.3 | 118.1 | 120.7 | 122.6 | 125.5 | 126.0 | 126.6 | | | 166.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 771 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

+ 80° spectra missing, see repeat data point

MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | |
|--------------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| SIDELINE 2400. FT. | 50 | 70.5 | 77.1 | 81.9 | 58.9 | 60.8 | 60.5 | 61.0 | 62.2 | 63.6 | 65.1 | 64.0 |
| (731.52 M) | 63 | 72.0 | 79.9 | 84.0 | 60.2 | 62.9 | 60.6 | 63.3 | 65.5 | 66.1 | 65.3 | 62.5 |
| NFA (1. RPM | 80 | 73.9 | 80.8 | 83.9 | 62.2 | 62.6 | 62.8 | 63.8 | 65.0 | 66.1 | 65.9 | 63.3 |
| (0. RAD/SEC) | 125 | 73.9 | 80.3 | 82.9 | 64.2 | 62.7 | 62.9 | 64.0 | 65.5 | 66.8 | 67.5 | 64.7 |
| NFK (1. RPM | 160 | 73.5 | 80.7 | 81.8 | 65.4 | 64.1 | 63.6 | 65.3 | 67.0 | 67.8 | 68.3 | 66.1 |
| (0. RAD/SEC) | 200 | 72.8 | 75.8 | 79.0 | 66.8 | 67.0 | 66.5 | 67.6 | 68.5 | 70.1 | 70.2 | 67.2 |
| NFD (7500. RPM | 250 | 70.7 | 74.9 | 76.6 | 66.5 | 66.4 | 66.9 | 68.1 | 68.9 | 70.5 | 70.8 | 67.5 |
| (785. RAD/SEC) | 315 | 70.9 | 73.8 | 75.5 | 67.1 | 66.8 | 66.0 | 67.9 | 69.3 | 71.0 | 70.8 | 69.6 |
| AIRFLOW RATIO | 400 | 69.3 | 72.7 | 73.2 | 67.4 | 66.8 | 67.0 | 68.0 | 69.8 | 70.2 | 71.2 | 70.3 |
| W/FWM 4.63 | 500 | 67.6 | 71.1 | 72.2 | 68.6 | 68.1 | 66.8 | 67.7 | 69.0 | 70.4 | 70.3 | 66.3 |
| VEHICLE | 632 | 69.2 | 76.3 | 77.0 | 67.7 | 67.4 | 68.3 | 69.3 | 69.6 | 69.9 | 69.4 | 65.5 |
| CONFIG | 800 | 64.6 | 68.1 | 69.2 | 66.1 | 66.2 | 66.1 | 67.7 | 68.9 | 68.7 | 68.8 | 62.5 |
| ANC53 | 1000 | 62.9 | 66.6 | 69.3 | 65.3 | 65.4 | 64.8 | 66.4 | 67.5 | 69.2 | 68.1 | 66.3 |
| L0C C41 ANECH CH | 1250 | 61.5 | 66.4 | 69.7 | 63.6 | 63.0 | 63.9 | 65.4 | 66.7 | 68.0 | 68.2 | 58.2 |
| DATE 06-08-76 | 1600 | 58.2 | 64.3 | 68.3 | 62.0 | 61.6 | 61.6 | 63.8 | 65.5 | 65.6 | 66.3 | 62.0 |
| RUN CONF7HIGHFLW | 2000 | 54.8 | 62.5 | 67.5 | 58.9 | 63.0 | 60.1 | 62.0 | 64.0 | 62.9 | 62.7 | 58.7 |
| TAPE X07710 | 2500 | 49.8 | 58.6 | 64.5 | 55.0 | 58.3 | 57.1 | 59.1 | 59.7 | 59.8 | 58.8 | 52.9 |
| FAN TIP SPEED | 3150 | 43.0 | 52.8 | 60.3 | 50.1 | 53.6 | 52.3 | 55.2 | 55.8 | 54.3 | 53.0 | 44.6 |
| FT/SEC | 4000 | 30.7 | 42.7 | 52.4 | 42.8 | 46.2 | 46.0 | 47.4 | 49.0 | 46.2 | 44.4 | 31.6 |
| | 5000 | 24.7 | 34.4 | 45.4 | 38.2 | 42.2 | 41.1 | 42.8 | 43.1 | 43.7 | 35.5 | 24.1 |
| | 6300 | 8.3 | 23.8 | 34.6 | 29.0 | 33.1 | 32.4 | 33.9 | 33.9 | 29.1 | 22.8 | 5.3 |
| | 8000 | | 2.9 | 15.9 | 13.0 | 18.2 | 18.9 | 18.7 | 16.2 | 19.6 | | |
| | 10000 | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | |
| OVERALL CALCULATED | | 82.9 | 88.8 | 91.8 | 77.6 | 77.8 | 78.6 | 79.9 | 80.9 | 81.1 | 80.1 | 77.0 |
| PNDR | | 85.1 | 91.3 | 93.9 | 83.6 | 84.8 | 83.5 | 85.2 | 86.8 | 85.9 | 87.1 | 84.9 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 7 | 771 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (5310 ²) |

+ 80° spectra missing, see repeat data point

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
F. 70 PERCENT REL. HUM. DAY - JENOTS)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------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| FREQ. | 4G. | 50. | 60. | 70. | 90. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | 137.2 | 137.4 | 139.2 | 142.8 | 146.7 | 146.6 | 147.6 | 148.3 | 148.3 | 148.7 | 148.6 | 148.8 | 149.0 | 149.0 | 148.4 | 148.3 | 147.6 | 147.3 | 147.1 | 146.9 | 146.3 | 144.7 | 144.2 | 142.3 | 140.8 | 140.8 | 140.1 | 138.2 | 138.2 | 143.7 | 160.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.59) | (2.79) | (2.99) | (3.14) | (3.29) | (3.49) | (3.69) | (3.89) | (4.09) | (4.29) | (4.49) | (4.69) | (4.89) | (5.09) | (5.29) | (5.49) | (5.69) | (5.89) | (6.09) | (6.29) | (6.49) | (6.69) | (6.89) | (7.09) | (7.29) | (7.49) | (7.69) | (7.89) | (8.09) | (8.29) | (8.49) | (8.69) | (8.89) | (9.09) | (9.29) | (9.49) | (9.69) | (9.89) | (10.09) | (10.29) | (10.49) | (10.69) | (10.89) | (11.09) | (11.29) | (11.49) | (11.69) | (11.89) | (12.09) | (12.29) | (12.49) | (12.69) | (12.89) | (13.09) | (13.29) | (13.49) | (13.69) | (13.89) | (14.09) | (14.29) | (14.49) | (14.69) | (14.89) | (15.09) | (15.29) | (15.49) | (15.69) | (15.89) | (16.09) | (16.29) | (16.49) | (16.69) | (16.89) | (17.09) | (17.29) | (17.49) | (17.69) | (17.89) | (18.09) | (18.29) | (18.49) | (18.69) | (18.89) | (19.09) | (19.29) | (19.49) | (19.69) | (19.89) | (20.09) | (20.29) | (20.49) | (20.69) | (20.89) | (21.09) | (21.29) | (21.49) | (21.69) | (21.89) | (22.09) | (22.29) | (22.49) | (22.69) | (22.89) | (23.09) | (23.29) | (23.49) | (23.69) | (23.89) | (24.09) | (24.29) | (24.49) | (24.69) | (24.89) | (25.09) | (25.29) | (25.49) | (25.69) | (25.89) | (26.09) | (26.29) | (26.49) | (26.69) | (26.89) | (27.09) | (27.29) | (27.49) | (27.69) | (27.89) | (28.09) | (28.29) | (28.49) | (28.69) | (28.89) | (29.09) | (29.29) | (29.49) | (29.69) | (29.89) | (30.09) | (30.29) | (30.49) | (30.69) | (30.89) | (31.09) | (31.29) | (31.49) | (31.69) | (31.89) | (32.09) | (32.29) | (32.49) | (32.69) | (32.89) | (33.09) | (33.29) | (33.49) | (33.69) | (33.89) | (34.09) | (34.29) | (34.49) | (34.69) | (34.89) | (35.09) | (35.29) | (35.49) | (35.69) | (35.89) | (36.09) | (36.29) | (36.49) | (36.69) | (36.89) | (37.09) | (37.29) | (37.49) | (37.69) | (37.89) | (38.09) | (38.29) | (38.49) | (38.69) | (38.89) | (39.09) | (39.29) | (39.49) | (39.69) | (39.89) | (40.09) | (40.29) | (40.49) | (40.69) | (40.89) | (41.09) | (41.29) | (41.49) | (41.69) | (41.89) | (42.09) | (42.29) | (42.49) | (42.69) | (42.89) | (43.09) | (43.29) | (43.49) | (43.69) | (43.89) | (44.09) | (44.29) | (44.49) | (44.69) | (44.89) | (45.09) | (45.29) | (45.49) | (45.69) | (45.89) | (46.09) | (46.29) | (46.49) | (46.69) | (46.89) | (47.09) | (47.29) | (47.49) | (47.69) | (47.89) | (48.09) | (48.29) | (48.49) | (48.69) | (48.89) | (49.09) | (49.29) | (49.49) | (49.69) | (49.89) | (50.09) | (50.29) | (50.49) | (50.69) | (50.89) | (51.09) | (51.29) | (51.49) | (51.69) | (51.89) | (52.09) | (52.29) | (52.49) | (52.69) | (52.89) | (53.09) | (53.29) | (53.49) | (53.69) | (53.89) | (54.09) | (54.29) | (54.49) | (54.69) | (54.89) | (55.09) | (55.29) | (55.49) | (55.69) | (55.89) | (56.09) | (56.29) | (56.49) | (56.69) | (56.89) | (57.09) | (57.29) | (57.49) | (57.69) | (57.89) | (58.09) | (58.29) | (58.49) | (58.69) | (58.89) | (59.09) | (59.29) | (59.49) | (59.69) | (59.89) | (60.09) | (60.29) | (60.49) | (60.69) | (60.89) | (61.09) | (61.29) | (61.49) | (61.69) | (61.89) | (62.09) | (62.29) | (62.49) | (62.69) | (62.89) | (63.09) | (63.29) | (63.49) | (63.69) | (63.89) | (64.09) | (64.29) | (64.49) | (64.69) | (64.89) | (65.09) | (65.29) | (65.49) | (65.69) | (65.89) | (66.09) | (66.29) | (66.49) | (66.69) | (66.89) | (67.09) | (67.29) | (67.49) | (67.69) | (67.89) | (68.09) | (68.29) | (68.49) | (68.69) | (68.89) | (69.09) | (69.29) | (69.49) | (69.69) | (69.89) | (70.09) | (70.29) | (70.49) | (70.69) | (70.89) | (71.09) | (71.29) | (71.49) | (71.69) | (71.89) | (72.09) | (72.29) | (72.49) | (72.69) | (72.89) | (73.09) | (73.29) | (73.49) | (73.69) | (73.89) | (74.09) | (74.29) | (74.49) | (74.69) | (74.89) | (75.09) | (75.29) | (75.49) | (75.69) | (75.89) | (76.09) | (76.29) | (76.49) | (76.69) | (76.89) | (77.09) | (77.29) | (77.49) | (77.69) | (77.89) | (78.09) | (78.29) | (78.49) | (78.69) | (78.89) | (79.09) | (79.29) | (79.49) | (79.69) | (79.89) | (80.09) | (80.29) | (80.49) | (80.69) | (80.89) | (81.09) | (81.29) | (81.49) | (81.69) | (81.89) | (82.09) | (82.29) | (82.49) | (82.69) | (82.89) | (83.09) | (83.29) | (83.49) | (83.69) | (83.89) | (84.09) | (84.29) | (84.49) | (84.69) | (84.89) | (85.09) | (85.29) | (85.49) | (85.69) | (85.89) | (86.09) | (86.29) | (86.49) | (86.69) | (86.89) | (87.09) | (87.29) | (87.49) | (87.69) | (87.89) | (88.09) | (88.29) | (88.49) | (88.69) | (88.89) | (89.09) | (89.29) | (89.49) | (89.69) | (89.89) | (90.09) | (90.29) | (90.49) | (90.69) | (90.89) | (91.09) | (91.29) | (91.49) | (91.69) | (91.89) | (92.09) | (92.29) | (92.49) | (92.69) | (92.89) | (93.09) | (93.29) | (93.49) | (93.69) | (93.89) | (94.09) | (94.29) | (94.49) | (94.69) | (94.89) | (95.09) | (95.29) | (95.49) | (95.69) | (95.89) | (96.09) | (96.29) | (96.49) | (96.69) | (96.89) | (97.09) | (97.29) | (97.49) | (97.69) | (97.89) | (98.09) | (98.29) | (98.49) | (98.69) | (98.89) | (99.09) | (99.29) | (99.49) | (99.69) | (99.89) | (100.09) | (100.29) | (100.49) | (100.69) | (100.89) | (101.09) | (101.29) | (101.49) | (101.69) | (101.89) | (102.09) | (102.29) | (102.49) | (102.69) | (102.89) | (103.09) | (103.29) | (103.49) | (103.69) | (103.89) | (104.09) | (104.29) | (104.49) | (104.69) | (104.89) | (105.09) | (105.29) | (105.49) | (105.69) | (105.89) | (106.09) | (106.29) | (106.49) | (106.69) | (106.89) | (107.09) | (107.29) | (107.49) | (107.69) | (107.89) | (108.09) | (108.29) | (108.49) | (108.69) | (108.89) | (109.09) | (109.29) | (109.49) | (109.69) | (109.89) | (110.09) | (110.29) | (110.49) | (110.69) | (110.89) | (111.09) | (111.29) | (111.49) | (111.69) | (111.89) | (112.09) | (112.29) | (112.49) | (112.69) | (112.89) | (113.09) | (113.29) | (113.49) | (113.69) | (113.89) | (114.09) | (114.29) | (114.49) | (114.69) | (114.89) | (115.09) | (115.29) | (115.49) | (115.69) | (115.89) | (116.09) | (116.29) | (116.49) | (116.69) | (116.89) | (117.09) | (117.29) | (117.49) | (117.69) | (117.89) | (118.09) | (118.29) | (118.49) | (118.69) | (118.89) | (119.09) | (119.29) | (119.49) | (119.69) | (119.89) | (120.09) | (120.29) | (120.49) | (120.69) | (120.89) | (121.09) | (121.29) | (121.49) | (121.69) | (121.89) | (122.09) | (122.29) | (122.49) | (122.69) | (122.89) | (123.09) | (123.29) | (123.49) | (123.69) | (123.89) | (124.09) | (124.29) | (124.49) | (124.69) | (124.89) | (125.09) | (125.29) | (125.49) | (125.69) | (125.89) | (126.09) | (126.29) | (126.49) | (126.69) | (126.89) | (127.09) | (127.29) | (127.49) | (127.69) | (127.89) | (128.09) | (128.29) | (128.49) | (128.69) | (128.89) | (129.09) | (129.29) | (129.49) | (129.69) | (129.89) | (130.09) | (130.29) | (130.49) | (130.69) | (130.89) | (131.09) | (131.29) | (131.49) | (131.69) | (131.89) | (132.09) | (132.29) | (132.49) | (132.69) | (132.89) | (133.09) | (133.29) | (133.49) | (133.69) | (133.89) | (134.09) | (134.29) | (134.49) | (134.69) | (134.89) | (135.09) | (135.29) | (135.49) | (135.69) | (135.89) | (136.09) | (136.29) | (136.49) | (136.69) | (136.89) | (137.09) | (137.29) | (137.49) | (137.69) | (137.89) | (138.09) | (138.29) | (138.49) | (138.69) | (138.89) | (139.09) | (139.29) | (139.49) | (139.69) | (139.89) | (140.09) | (140.29) | (140.49) | (140.69) | (140.89) | (141.09) | (141.29) | (141.49) | (141.69) | (141.89) | (142.09) | (142.29) | (142.49) | (142.69) | (142.89) | (143.09) | (143.29) | (143.49) | (143.69) | (143.89) | (144.09) | (144.29) | (144.49) | (144.69) | (144.89) | (145.09) | (145.29) | (145.49) | (145.69) | (145.89) | (146.09) | (146.29) | (146.49) | (146.69) | (146.89) | (147.09) | (147.29) | (147.49) | (147.69) | (147.89) | (148.09) | (148.29) | (148.49) | (148.69) | (148.89) | (149.09) | (149.29) | (149.49) | (149.69) | (149.89) | (150.09) | (150.29) | (150.49) | (150.69) | (150.89) | (151.09) | (151.29) | (151.49) | (151.69) | (151.89) | (152.09) | (152.29) | (152.49) | (152.69) | (152.89) | (153.09) | (153.29) | (153.49) | (153.69) | (153.89) | (154.09) | (154.29) | (154.49) | (154.69) | (154.89) | (155.09) | (155.29) | (155.49) | (155.69) | (155.89) | (156.09) | (156.29) | (156.49) | (156.69) | (156.89) | (157.09) | (157.29) | (157.49) | (157.69) | (157.89) | (158.09) | (158.29) | (158.49) | (158.69) | (158.89) | (159.09) | (159.29) | (159.49) | (159.69) | (159.89) | (160.09) | (160.29) | (160.49) | (160.69) | (160.89) | (161.09) | (161.29) | (161.49) | (161.69) | (161.89) | (162.09) | (162.29) | (162.49) | (162.69) | (162.89) | (163.09) | (163.29) | (163.49) | (163.69) | (163.89) | (164.09) | (164.29) | (164.49) | (164.69) | (164.89) | (165.09) | (165.29) | (165.49) | (165.69) | (165.89) | (166.09) | (166.29) | (166.49) | (166.69) | (166.89) | (167.09) | (167.29) | (167.49) | (167.69) | (167.89) | (168.09) | (168.29) | (168.49) | (168.69) | (168.89) | (169.09) | (169.29) | (169.49) | (169.69) | (169.89) | (170.09) | (170.29) | (170.49) | (170.69) | (170.89) | (171.09) | (171.29) | (171.49) | (171.69) | (171.89) | (172.09) | (172.29) | (172.49) | (172.69) | (172.89) | (173.09) | (173.29) | (173.49) | (173.69) | (173.89) | (174.09) | (174.29) | (174.49) | (174.69) | (174.89) | (175.09) | (175.29) | (175.49) | (175.69) | (175.89) | (176.09) | (176.29) | (176.49) | (176.69) | (176.89) | (177.09) | (177.29) | (177.49) | (177.69) | (177.89) | (178.09) | (178.29) | (178.49) | (178.69) | (178.89) | (179.09) | (179.29) | (179.49) | (179.69) | (179.89) | (180.09) | (180.29) | (180.49) | (180.69) | (180.89) | (181.09) | (181.29) | (181.49) | (181.69) | (181.89) | (182.09) | (182.29) | (182.49) | (182.69) | (182.89) | (183.09) | (183.29) | (183.49) | (183.69) | (183.89) | (184.09) | (184.29) | (184.49) | (184.69) | (184.89) | (185.09) | (185.29) | (185.49) | (185.69) | (185.89) | (186.09) | (186.29) | (186.49) | (186.69) | (186.89) | (187.09) | (187.29) | (187.49) | (187.69) | (187.89) | (188.09) | (188.29) | (188.49) | (188.69) | (188.89) | (189.09) | (189.29) | (189.49) | (189.69) | (189.89) | (190.09) | (190.29) | (190.49) | (190.69) | (190.89) | (191.09) | (191.29) | (191.49) | (191.69) | (191.89) | (192.09) | (192.29) | (192.49) | (192.69) | (192.89) | (193.09) | (193.29) | (193.49) | (193.69) | (193.89) | (194.09) | (194.29) | (194.49) | (194.69) | (194.89) | (195.09) | (195.29) | (195.49) | (195.69) | (195.89) | (196.09) | (196.29) | (196.49) | (196.69) | (196.89) | (197.09) | (197.29) | (197.49) | (197.69) | (197.89) | (198.09) | (198.29) | (198.49) | (198.69) | (198.89) | (199.09) | (199.29) | (199.49) | (199.69) | (199.89) | (200.09) | (200.29) | (200.49) | (200.69) | (200.89) | (201.09) | (201.29) | (201.49) | (201.69) | (201.89) | (202.09) | (202.29) | (202.49) | (202.69) | (202.89) | (203.09) | (203.29) | (203.49) | (203.69) | (203.89) | (204.09) | (204.29) | (204.49) | (204.69) | (204.89) | (205.09) | (205.29) | (205.49) | (205.69) | (205.89) | (206.09) | (206.29) | (206.49) | (206.69) | (206.89) | (207.09) | (207.29) | (207.49) | (207.69) | (207.89) | (208.09) | (208.29) | (208.49) | (208.69) | (208.89) | (209.09) | (209.29) | (209.49) | (209.69) | (209.89) | (210.09) | (210.29) | (210.49) | (210.69) | (210.89) | (211.09) | (211.29) | (211.49) | (211.69) | (211.89) | (212.09) | (212.29) | (212.49) | (212.69) | (212.89) | (213.09) | (213.29) | (213.49) | (213.69) | (213.89) | (214.09) | (214.29) | (214.49) | (214.69) | (214.89) | (215.09) | (215.29) | (215.49) | (215.69) | (215.89) | (216.09) | (216.29) | (216.49) | (216.69) | (216.89) | (217.09) | (217.29) | (217.49) | (217.69) | (217.89) | (218.09) | (218.29) | (218.49) | (218.69) | (218.89) | (219.09) | (219.29) | (219.49) | (219.69) | (219.89) | (220.09) | (220.29) | (220.49) | (220.69) | (220.89) | (221.09) | (221.29) | (221.49) | (221.69) | (221.89) | (222.09) | (222.29) | (222.49) | (222.69) | (222.89) | (223.09) | (223.29) | (223.49) | (223.69) | (223.89) | (224.09) | (224.29) | (224.49) | (224.69) | (224.89) | (225.09) | (225.29) | (225.49) | (225.69) | (225.89) | (226.09) | (226.29) | (226.49) | (226.69) | (226.89) | (227.09) | (227.29) | (227.49) | (227.69) | (227.89) | (228.09) | (228.29) | (|

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 772 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

+ 60° spectra missing, see repeat data point

| | 40. | 50. | 60. | 70. | 90. | 100. | 110. | 120. | 130. | 140. | 160. | C. | 0. | 0. | (C.) | (0.) | (C.) | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.79) | (2.79) | (2.79) | (2.79) | (2.79) | (2.79) | (2.79) | |
| 50 | 90.6 | 94.2 | 96.9 | 97.2 | 100.8 | 107.7 | 74.1 | 113.5 | 85.4 | 88.7 | 88.2 | | | | | | | 158.0 |
| 63 | 92.7 | 95.3 | 98.0 | 98.8 | 102.9 | 109.5 | 78.4 | 115.3 | 87.3 | 91.1 | 88.0 | | | | | | | 159.9 |
| 80 | 92.8 | 95.3 | 99.0 | 100.8 | 105.4 | 111.8 | 80.7 | 115.6 | 89.5 | 90.6 | 90.6 | | | | | | | 160.9 |
| 100 | 93.4 | 96.1 | 99.6 | 101.9 | 106.8 | 112.6 | 83.5 | 116.2 | 89.9 | 90.7 | 90.2 | | | | | | | 161.6 |
| 125 | 94.9 | 97.5 | 101.0 | 103.5 | 107.6 | 112.0 | 85.4 | 116.0 | 91.5 | 92.3 | 91.3 | | | | | | | 161.6 |
| 160 | 95.7 | 98.7 | 103.0 | 105.3 | 108.9 | 111.7 | 87.1 | 116.3 | 93.0 | 93.8 | 92.5 | | | | | | | 162.1 |
| 200 | 97.0 | 99.8 | 103.3 | 105.9 | 109.2 | 111.1 | 87.5 | 115.9 | 95.3 | 96.4 | 95.4 | | | | | | | 162.1 |
| 250 | 97.9 | 100.4 | 104.7 | 107.0 | 109.6 | 110.7 | 90.1 | 116.0 | 94.9 | 95.7 | 95.2 | | | | | | | 162.3 |
| 315 | 98.5 | 100.3 | 104.5 | 107.3 | 109.4 | 111.0 | 92.4 | 116.3 | 96.5 | 97.4 | 94.8 | | | | | | | 162.3 |
| 400 | 98.5 | 101.6 | 106.1 | 107.6 | 109.0 | 111.8 | 94.7 | 115.6 | 101.6 | 99.7 | 97.6 | | | | | | | 161.7 |
| 500 | 98.9 | 101.4 | 106.0 | 109.0 | 108.6 | 111.2 | 96.8 | 113.7 | 102.7 | 102.3 | 100.5 | | | | | | | 161.6 |
| 630 | 99.7 | 102.4 | 107.0 | 109.0 | 109.1 | 112.4 | 98.1 | 111.7 | 109.2 | 100.6 | 100.5 | | | | | | | 160.9 |
| 800 | 101.2 | 103.0 | 106.6 | 108.3 | 108.9 | 111.8 | 97.7 | 109.8 | 98.1 | 98.4 | 97.8 | | | | | | | 160.6 |
| 1000 | 100.6 | 103.9 | 107.2 | 108.0 | 108.1 | 111.2 | 98.6 | 109.7 | 97.7 | 98.0 | 97.2 | | | | | | | 160.4 |
| 1250 | 100.5 | 104.3 | 107.9 | 108.2 | 107.2 | 110.3 | 100.5 | 109.7 | 96.4 | 97.5 | 96.2 | | | | | | | 160.2 |
| 1600 | 100.2 | 104.3 | 108.4 | 108.1 | 107.7 | 109.1 | 100.7 | 108.9 | 96.4 | 97.0 | 95.4 | | | | | | | 160.4 |
| 2000 | 99.1 | 103.2 | 107.3 | 107.6 | 106.4 | 107.7 | 102.1 | 108.8 | 94.8 | 97.5 | 95.6 | | | | | | | 159.6 |
| 2500 | 98.2 | 102.4 | 105.2 | 105.7 | 104.0 | 105.9 | 102.0 | 107.5 | 92.9 | 95.7 | 94.6 | | | | | | | 158.0 |
| 3150 | 97.6 | 102.0 | 103.5 | 103.7 | 102.7 | 104.5 | 102.4 | 106.9 | 92.2 | 95.2 | 93.9 | | | | | | | 157.5 |
| 4000 | 96.8 | 100.9 | 101.5 | 102.8 | 99.8 | 101.6 | 101.8 | 104.6 | 90.6 | 93.2 | 92.6 | | | | | | | 155.6 |
| 5000 | 94.1 | 97.4 | 100.2 | 101.9 | 97.5 | 100.9 | 99.6 | 102.4 | 89.2 | 92.8 | 90.8 | | | | | | | 154.1 |
| 6300 | 93.3 | 97.0 | 98.9 | 99.3 | 96.1 | 99.2 | 102.4 | 102.5 | 89.3 | 93.1 | 91.4 | | | | | | | 154.1 |
| 8000 | 90.9 | 95.2 | 96.6 | 97.1 | 95.1 | 98.4 | 101.4 | 100.4 | 87.4 | 91.5 | 91.0 | | | | | | | 153.4 |
| 10000 | 87.2 | 90.9 | 92.6 | 93.5 | 91.9 | 95.4 | 98.4 | 97.7 | 84.7 | 89.6 | 89.1 | | | | | | | 151.5 |
| 12500 | 84.9 | 89.2 | 90.9 | 91.1 | 89.3 | 94.2 | 96.1 | 96.1 | 84.9 | 88.9 | 88.3 | | | | | | | 151.5 |
| 16000 | 85.3 | 92.5 | 90.8 | 92.5 | 89.4 | 95.8 | 99.0 | 99.0 | 88.4 | 95.6 | 92.5 | | | | | | | 157.0 |
| PN08 | 122.9 | 126.7 | 129.5 | 130.8 | 130.0 | 132.4 | 125.5 | 134.6 | 119.2 | 121.2 | 120.0 | | | | | | | 174.0 |
| OVERALL CALCULATED | 111.3 | 114.6 | 118.1 | 119.5 | 120.4 | 123.6 | 112.5 | 126.8 | 109.7 | 110.4 | 109.1 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 7 | 772 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

+ 80° spectra missing, see repeat data point

| PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 90. | 100. | 110. | 120. | 130. | 140. | 160. | 180. |
| (C. RAD/SEC) | (0.70) | (0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.79) | (3.14) |
| NO EGA | 50 | 62.5 | 67.6 | 71.4 | 72.4 | 76.6 | 83.3 | 49.3 | 87.9 | 58.8 | 60.6 | 54.3 |
| SIDELINE 2400. FT. | 63 | 64.5 | 68.6 | 72.5 | 74.0 | 78.6 | 85.1 | 53.6 | 59.7 | 60.6 | 62.8 | 54.0 |
| (731.52 M) | 80 | 64.4 | 68.6 | 73.4 | 75.9 | 81.1 | 87.3 | 55.8 | 90.0 | 62.8 | 62.3 | 56.4 |
| NFA | 100 | 64.9 | 69.3 | 73.9 | 76.9 | 82.4 | 88.1 | 58.5 | 90.5 | 63.1 | 62.3 | 55.8 |
| (1. RPM) | 125 | 66.4 | 70.5 | 75.2 | 78.5 | 83.1 | 87.4 | 60.3 | 90.2 | 64.5 | 63.7 | 56.6 |
| (C. RAD/SEC) | 160 | 67.0 | 71.7 | 77.1 | 80.1 | 84.3 | 87.0 | 62.0 | 90.4 | 65.9 | 65.1 | 57.5 |
| NFK | 200 | 68.1 | 72.6 | 77.2 | 80.6 | 84.5 | 86.2 | 62.1 | 89.8 | 68.1 | 67.5 | 60.0 |
| (1. RPM) | 250 | 68.7 | 72.9 | 78.4 | 81.5 | 84.7 | 85.6 | 64.6 | 89.7 | 67.5 | 66.5 | 59.3 |
| NFD | 315 | 68.9 | 72.5 | 78.0 | 81.6 | 84.3 | 85.8 | 66.7 | 89.8 | 68.8 | 67.8 | 58.3 |
| (785. RAD/SEC) | 400 | 68.5 | 73.5 | 79.2 | 81.6 | 83.6 | 86.3 | 68.7 | 88.8 | 73.5 | 69.7 | 60.2 |
| AIRFLOW RATIO | 500 | 68.4 | 72.9 | 78.7 | 82.6 | 82.9 | 85.3 | 70.5 | 86.5 | 74.2 | 71.8 | 62.1 |
| WF/W 4.63 | 600 | 68.5 | 73.3 | 79.2 | 82.2 | 82.9 | 86.1 | 71.3 | 84.0 | 71.1 | 69.4 | 60.8 |
| VEHICLE | 800 | 69.1 | 73.1 | 78.2 | 80.9 | 82.2 | 84.9 | 70.2 | 81.4 | 68.2 | 66.3 | 56.4 |
| CONFIG | 1000 | 67.4 | 73.1 | 78.0 | 79.8 | 80.7 | 83.6 | 70.4 | 80.5 | 66.9 | 64.9 | 53.8 |
| LOC C41 ANECH CH | 1250 | 66.0 | 72.4 | 77.7 | 79.1 | 79.0 | 81.9 | 71.4 | 79.5 | 64.5 | 63.0 | 50.1 |
| DATE 06-08-76 | 1600 | 63.7 | 70.8 | 76.8 | 77.8 | 78.2 | 79.4 | 70.3 | 77.3 | 62.8 | 60.5 | 45.6 |
| RUN CONF7HIGHFLW | 2000 | 60.3 | 67.8 | 74.0 | 75.6 | 75.5 | 76.6 | 70.2 | 75.5 | 59.4 | 58.7 | 41.4 |
| TAPE X07720 | 2500 | 56.1 | 64.1 | 69.4 | 71.5 | 71.0 | 72.6 | 67.9 | 71.7 | 54.7 | 53.5 | 33.9 |
| FAN TIP SPEED | 3150 | 50.0 | 59.3 | 63.9 | 67.9 | 66.3 | 67.8 | 64.7 | 67.2 | 49.5 | 47.7 | 22.9 |
| FT/SEC | 4000 | 41.2 | 51.4 | 55.9 | 59.6 | 58.3 | 59.8 | 58.6 | 59.0 | 41.1 | 37.5 | 6.1 |
| | 5000 | 33.8 | 44.1 | 51.2 | 55.5 | 53.1 | 56.0 | 53.3 | 53.4 | 35.9 | 32.5 | |
| | 6300 | 19.3 | 32.2 | 39.8 | 43.7 | 43.1 | 45.6 | 46.9 | 43.5 | 24.5 | 19.1 | |
| | 8000 | 12.8 | 22.0 | 27.4 | 28.8 | 31.3 | 31.7 | 25.8 | 5.1 | | | |
| | 10000 | 4.0 | 7.1 | 9.5 | 9.0 | 1.7 | | | | | | |
| | 12500 | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | |
| OVERALL CALCULATED | 79.2 | 84.0 | 89.4 | 92.1 | 94.5 | 97.7 | 80.5 | 100.2 | 89.4 | 78.6 | 69.8 | |
| PNDB | 34.5 | 91.1 | 96.8 | 99.0 | 100.2 | 102.8 | 90.4 | 104.2 | 86.6 | 84.6 | 73.8 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 7 | 772 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

+ 80° spectra missing, see repeat data point

| PROG. | DATE | MONTH | DAY | HR. | 21.4 |
|--|------|-------|-----|-----|------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 7C PERCENT REL. HUM. DAY - JENOTS) | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | |
| 4.0 | 50 | 40 | 30 | 20 | 10 |

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | |
|--------------------|-------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL | D. | |
| FREQ. | | (0.70) | (0.37) | (1.05) | (1.22) | (1.43) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | |
| NO EGA | 50 | 84.1 | 87.4 | 88.9 | 89.2 | 90.6 | 91.9 | 93.8 | 94.7 | 97.9 | 103.7 | 110.4 | 112.4 | 113.2 | 157.7 | | |
| RDG. NO. | 63 | 85.5 | 90.0 | 89.3 | 90.1 | 92.9 | 94.0 | 95.2 | 96.1 | 99.8 | 105.6 | 112.0 | 114.7 | 114.5 | 159.5 | | |
| RADIAL 150. FT. | 80 | 87.8 | 89.0 | 91.3 | 91.3 | 92.4 | 94.0 | 95.2 | 97.3 | 101.0 | 108.6 | 114.3 | 115.8 | 115.3 | 161.0 | | |
| VEHICLE | 100 | 88.6 | 89.6 | 90.6 | 91.4 | 93.3 | 95.4 | 96.8 | 98.4 | 102.6 | 110.4 | 115.7 | 117.3 | 115.6 | 162.3 | | |
| CONFIG | 125 | 89.5 | 91.5 | 92.0 | 93.8 | 95.1 | 96.2 | 97.9 | 99.5 | 104.5 | 110.6 | 116.0 | 117.7 | 116.5 | 162.8 | | |
| LDC C41 ANECH CH | 180 | 91.7 | 92.7 | 93.5 | 94.3 | 95.6 | 97.5 | 99.1 | 101.0 | 105.8 | 111.3 | 115.8 | 118.7 | 117.7 | 163.5 | | |
| DATE 06-10-76 | 250 | 94.8 | 95.8 | 96.3 | 96.4 | 97.7 | 99.3 | 99.7 | 102.1 | 106.3 | 111.7 | 115.4 | 117.5 | 117.6 | 163.1 | | |
| RUN CONF7HIGHFLW | 315 | 93.7 | 95.3 | 95.5 | 96.8 | 97.8 | 99.9 | 100.8 | 103.2 | 107.7 | 111.3 | 114.2 | 117.9 | 117.4 | 163.0 | | |
| TAPE | 400 | 94.8 | 95.3 | 97.1 | 97.4 | 98.7 | 100.0 | 101.2 | 102.6 | 108.0 | 111.4 | 114.1 | 118.2 | 117.5 | 163.2 | | |
| BAR 29.4 HG | 500 | 94.4 | 95.5 | 96.7 | 97.0 | 98.8 | 100.5 | 102.1 | 104.0 | 108.5 | 110.8 | 114.3 | 116.4 | 115.8 | 162.3 | | |
| (9212. N/M2) | 630 | 95.2 | 96.2 | 97.0 | 97.8 | 98.8 | 100.2 | 101.8 | 104.0 | 108.5 | 110.8 | 114.3 | 116.4 | 115.2 | 162.0 | | |
| TAMB 67. DEG F | 800 | 94.0 | 95.3 | 96.8 | 97.1 | 99.7 | 99.8 | 102.4 | 104.6 | 108.1 | 111.2 | 113.8 | 115.0 | 111.5 | 161.8 | | |
| (293. DEG K) | 1000 | 94.1 | 95.2 | 96.7 | 97.5 | 98.6 | 100.7 | 102.3 | 105.0 | 107.7 | 110.1 | 112.5 | 114.9 | 109.4 | 160.9 | | |
| TWET 62. DEG F | 1250 | 93.5 | 94.6 | 96.6 | 97.4 | 99.2 | 101.3 | 103.7 | 104.9 | 107.6 | 109.2 | 111.2 | 110.8 | 109.6 | 160.1 | | |
| (290. DEG K) | 1600 | 93.2 | 96.0 | 96.6 | 97.6 | 99.4 | 101.3 | 103.4 | 104.4 | 107.4 | 109.5 | 110.9 | 109.8 | 109.3 | 159.6 | | |
| HACT12.93 GM/M3 | 2000 | 91.6 | 96.0 | 96.1 | 97.5 | 99.4 | 100.0 | 102.9 | 104.0 | 106.8 | 108.2 | 109.4 | 109.5 | 108.0 | 159.4 | | |
| (.01293 KG/M3) | 2500 | 90.1 | 95.3 | 95.5 | 96.7 | 98.5 | 99.3 | 102.2 | 102.1 | 104.7 | 105.9 | 108.1 | 107.9 | 107.1 | 158.6 | | |
| FREQ. SHIFT | 3150 | 89.2 | 93.7 | 94.7 | 96.9 | 98.4 | 98.7 | 101.9 | 100.9 | 104.7 | 104.4 | 106.8 | 107.6 | 106.5 | 157.2 | | |
| JET | 4000 | 87.1 | 91.2 | 92.8 | 94.2 | 98.0 | 97.5 | 100.7 | 99.0 | 102.3 | 101.6 | 103.0 | 104.2 | 104.3 | 156.7 | | |
| DIAMETER RATIO | 5000 | 85.0 | 90.0 | 90.4 | 92.7 | 95.0 | 95.7 | 96.7 | 97.6 | 101.5 | 99.4 | 102.9 | 101.2 | 102.3 | 154.6 | | |
| DF/DW 4.63 | 6300 | 84.4 | 89.2 | 91.4 | 92.6 | 94.9 | 94.6 | 97.5 | 96.4 | 99.7 | 98.8 | 101.0 | 102.4 | 101.6 | 153.0 | | |
| | 8000 | 82.1 | 87.0 | 90.1 | 90.9 | 91.7 | 91.7 | 95.4 | 93.6 | 97.4 | 97.5 | 100.3 | 100.4 | 99.5 | 152.8 | | |
| | 10000 | 79.3 | 83.7 | 87.2 | 87.7 | 87.5 | 88.1 | 92.1 | 90.1 | 93.9 | 94.5 | 100.3 | 96.6 | 96.1 | 151.8 | | |
| | 12500 | 77.7 | 81.7 | 86.3 | 85.5 | 85.3 | 86.4 | 90.5 | 87.8 | 91.6 | 93.7 | 99.8 | 94.0 | 95.0 | 150.6 | | |
| | 16000 | 80.5 | 83.9 | 89.8 | 87.2 | 86.3 | 87.2 | 95.4 | 88.6 | 92.8 | 97.1 | 102.6 | 96.8 | 97.5 | 151.1 | | |
| OVERALL CALCULATED | | 105.5 | 107.6 | 108.6 | 109.4 | 111.0 | 112.3 | 114.4 | 115.7 | 119.4 | 122.7 | 126.4 | 128.2 | 127.2 | 156.8 | | |
| P=0.8 | | 115.7 | 119.3 | 120.1 | 121.5 | 123.2 | 124.0 | 126.5 | 126.8 | 130.4 | 132.1 | 134.8 | 135.6 | 134.6 | 174.3 | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 7 | 773 | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | (C.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| NO EGA | 50 | 59.0 | 60.8 | 63.4 | 64.4 | 66.2 | 67.7 | 69.4 | 69.9 | 72.4 | 77.1 | 82.3 | 81.9 |
| SIDELINE 2400. FT. | 63 | 57.2 | 63.4 | 63.7 | 65.2 | 68.5 | 69.7 | 70.7 | 71.2 | 74.2 | 78.9 | 83.8 | 80.5 |
| (731.52 M) | 80 | 59.2 | 62.3 | 65.7 | 66.4 | 68.0 | 69.7 | 70.7 | 72.4 | 75.4 | 81.9 | 86.0 | 85.1 |
| NFA | 102 | 60.2 | 62.8 | 64.9 | 66.5 | 68.7 | 71.0 | 72.2 | 73.5 | 75.9 | 83.6 | 87.2 | 86.6 |
| (1. RPM | 125 | 60.9 | 64.5 | 66.2 | 68.7 | 70.5 | 71.7 | 73.2 | 74.5 | 76.9 | 83.6 | 87.2 | 86.6 |
| (0. RAD/SEC) | 160 | 63.0 | 65.7 | 67.6 | 69.1 | 70.9 | 72.9 | 74.4 | 75.9 | 79.8 | 84.2 | 87.4 | 86.8 |
| NFK | 200 | 65.8 | 68.6 | 70.2 | 71.1 | 72.8 | 74.6 | 74.8 | 76.8 | 80.2 | 84.4 | 86.4 | 86.1 |
| (0. RAD/SEC) | 250 | 64.2 | 68.4 | 71.2 | 71.5 | 72.8 | 75.0 | 75.8 | 77.7 | 81.4 | 83.8 | 85.0 | 86.1 |
| NFD 7500. RPM | 315 | 64.2 | 67.5 | 69.0 | 71.1 | 73.2 | 74.9 | 75.9 | 76.9 | 81.5 | 83.6 | 84.5 | 86.0 |
| (785. RAD/SEC) | 400 | 64.8 | 67.2 | 70.2 | 71.4 | 73.2 | 74.4 | 76.4 | 77.9 | 81.2 | 82.8 | 83.4 | 84.3 |
| AIRFLOW RATIO | 500 | 63.9 | 66.9 | 69.5 | 70.6 | 73.0 | 74.7 | 76.2 | 77.6 | 81.2 | 82.2 | 83.7 | 82.9 |
| WFM 4.63 | 630 | 64.0 | 67.1 | 69.2 | 70.9 | 72.5 | 74.1 | 75.5 | 77.9 | 81.0 | 82.2 | 83.8 | 80.6 |
| VEHICLE | 800 | 61.9 | 65.4 | 68.4 | 69.7 | 71.8 | 73.1 | 75.5 | 77.2 | 79.7 | 81.3 | 81.7 | 77.5 |
| CELL41 | 1000 | 60.9 | 64.4 | 67.5 | 69.3 | 71.0 | 73.3 | 74.7 | 76.8 | 78.5 | 79.3 | 79.3 | 75.0 |
| CONFIG NC54 | 1250 | 59.0 | 62.7 | 66.5 | 68.3 | 70.8 | 73.1 | 75.3 | 75.8 | 77.5 | 77.3 | 76.6 | 72.1 |
| LOC C41 AHECH CH | 1600 | 56.7 | 62.5 | 65.0 | 67.2 | 69.8 | 71.8 | 73.8 | 74.0 | 75.8 | 76.0 | 74.4 | 68.6 |
| DATE 06-10-76 | 2000 | 52.8 | 60.5 | 62.8 | 65.6 | 68.2 | 69.1 | 71.7 | 72.1 | 73.5 | 72.8 | 70.6 | 65.3 |
| RUN CONF7HIGHELM | 2500 | 47.9 | 57.1 | 59.7 | 62.5 | 65.2 | 66.3 | 68.9 | 69.0 | 67.7 | 65.9 | 59.3 | 53.7 |
| TAPE X07730 | 3150 | 41.7 | 51.0 | 55.0 | 59.1 | 61.7 | 62.3 | 65.2 | 63.1 | 65.0 | 61.7 | 59.2 | 52.0 |
| FAN TIP SPEED | 4000 | 31.5 | 41.7 | 47.2 | 51.0 | 56.1 | 56.1 | 58.8 | 55.8 | 56.7 | 52.2 | 47.4 | 38.1 |
| FT/SEC | 5000 | 24.7 | 36.7 | 41.4 | 46.4 | 50.1 | 51.3 | 51.8 | 51.3 | 52.4 | 46.0 | 42.6 | 29.1 |
| | 6300 | 10.3 | 24.4 | 32.3 | 37.0 | 41.2 | 41.5 | 43.9 | 40.8 | 40.6 | 34.0 | 26.9 | 12.4 |
| | 8000 | | 4.6 | 15.6 | 21.1 | 24.0 | 25.4 | 28.3 | 23.9 | 22.9 | 15.1 | 5.1 | |
| | 10000 | | | | 1.6 | 3.4 | 3.4 | 6.2 | 0.7 | | | | |
| | 12500 | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | |
| OVERALL CALCULATED | | 74.4 | 77.9 | 80.2 | 81.6 | 83.6 | 85.3 | 86.8 | 88.2 | 91.4 | 94.2 | 96.5 | 96.2 |
| P+DB | | 79.2 | 83.8 | 86.4 | 88.6 | 91.0 | 92.6 | 94.5 | 95.1 | 97.5 | 98.9 | 100.0 | 99.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **773** ACoustic RANGE **731.5m(2400ft.)** SIDELINE **FULL-.33m²(513in²)** SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (SP, DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| NO. E5A | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|
| RADIAL 40. FT. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
| VEHICLE CELL41 | 83.1 | 92.9 | 90.4 | 92.2 | 93.8 | 93.4 | 94.3 | 94.2 | 95.2 | 102.0 | 101.4 | 100.9 | 104.2 | 139.3 | | | | | |
| CONFIG NC54 | 82.1 | 85.4 | 89.2 | 89.0 | 89.8 | 90.2 | 89.8 | 91.5 | 93.4 | 99.5 | 104.2 | 104.6 | 105.9 | 139.9 | | | | | |
| LCC C41 ANECH CH | 85.5 | 86.8 | 86.5 | 83.3 | 89.4 | 90.8 | 92.2 | 93.6 | 97.3 | 101.9 | 104.3 | 109.8 | 112.3 | 140.5 | | | | | |
| DATE 06-10-76 | 83.3 | 88.1 | 89.6 | 89.5 | 90.7 | 92.1 | 94.5 | 95.1 | 98.1 | 103.2 | 110.4 | 113.3 | 113.8 | 144.0 | | | | | |
| RUN CONF7HIGHFLW | 85.4 | 90.2 | 88.4 | 90.2 | 92.8 | 93.9 | 95.3 | 96.0 | 100.2 | 106.0 | 112.5 | 115.1 | 115.4 | 146.7 | | | | | |
| TAPE X07740 | 87.7 | 89.2 | 91.2 | 90.8 | 92.6 | 94.0 | 95.3 | 96.8 | 101.2 | 109.0 | 115.2 | 117.2 | 116.0 | 148.6 | | | | | |
| BAR 29.4 HG | 88.5 | 89.8 | 90.8 | 91.8 | 93.4 | 95.3 | 96.2 | 97.8 | 103.0 | 110.6 | 116.1 | 118.0 | 116.0 | 150.5 | | | | | |
| (99246. N/M2) | 89.6 | 91.6 | 92.1 | 93.4 | 95.0 | 96.1 | 98.0 | 99.7 | 104.6 | 111.2 | 116.9 | 119.1 | 117.8 | 151.3 | | | | | |
| TAMB 70. DEG F | 92.1 | 92.9 | 92.9 | 95.2 | 96.3 | 97.4 | 99.3 | 101.2 | 106.7 | 111.7 | 117.9 | 119.6 | 118.2 | 152.3 | | | | | |
| (294. DEG K) | 95.2 | 96.5 | 97.2 | 97.5 | 97.1 | 98.7 | 100.4 | 102.0 | 106.7 | 112.1 | 117.5 | 119.2 | 118.0 | 153.2 | | | | | |
| TWEI 63. DEG F | 94.5 | 97.1 | 98.1 | 97.9 | 98.2 | 100.1 | 101.7 | 103.4 | 107.8 | 111.7 | 116.9 | 120.3 | 117.6 | 152.9 | | | | | |
| (290. DEG K) | 96.1 | 96.7 | 96.4 | 97.2 | 98.6 | 100.2 | 100.8 | 103.2 | 108.2 | 111.5 | 117.0 | 120.4 | 117.2 | 153.2 | | | | | |
| HACT12.59 GM/M3 | 99.7 | 99.5 | 99.5 | 98.0 | 99.4 | 100.2 | 102.1 | 104.5 | 108.5 | 112.3 | 117.8 | 118.9 | 114.2 | 152.8 | | | | | |
| (.01259 KG/MS) | 100.3 | 101.1 | 101.3 | 100.9 | 100.5 | 100.6 | 103.0 | 104.9 | 109.3 | 111.9 | 117.6 | 116.8 | 111.1 | 152.0 | | | | | |
| FREQ. SHIFT | 99.3 | 100.5 | 101.6 | 101.8 | 102.2 | 101.5 | 102.9 | 105.1 | 109.3 | 112.2 | 117.1 | 115.5 | 110.3 | 151.7 | | | | | |
| JET J | 100.3 | 100.5 | 100.1 | 101.7 | 102.3 | 103.0 | 105.6 | 108.6 | 108.6 | 112.7 | 114.9 | 113.3 | 108.1 | 150.5 | | | | | |
| DIAMETER RATIO | 96.4 | 97.5 | 98.0 | 99.5 | 100.8 | 102.2 | 103.8 | 106.3 | 108.5 | 111.6 | 112.8 | 112.7 | 107.7 | 149.6 | | | | | |
| DF/DM 1.00 | 95.3 | 97.3 | 97.9 | 99.3 | 100.9 | 102.3 | 105.2 | 108.3 | 108.6 | 111.2 | 112.1 | 111.0 | 107.3 | 149.3 | | | | | |
| | 94.2 | 97.3 | 96.9 | 98.4 | 101.9 | 101.5 | 102.6 | 105.0 | 105.9 | 108.4 | 110.8 | 111.2 | 110.1 | 149.1 | | | | | |
| | 92.6 | 95.6 | 96.0 | 97.7 | 99.2 | 100.6 | 102.7 | 103.1 | 106.0 | 107.7 | 107.8 | 107.4 | 103.8 | 148.5 | | | | | |
| | 90.9 | 93.9 | 94.6 | 96.6 | 98.6 | 99.2 | 102.1 | 101.1 | 104.9 | 105.4 | 106.0 | 105.5 | 102.7 | 147.1 | | | | | |
| | 88.4 | 91.5 | 92.1 | 93.7 | 97.7 | 96.8 | 99.5 | 98.6 | 101.9 | 101.9 | 102.0 | 102.0 | 100.1 | 146.3 | | | | | |
| | 85.8 | 89.1 | 88.5 | 90.8 | 93.5 | 93.5 | 95.0 | 95.9 | 99.3 | 97.9 | 101.2 | 97.3 | 97.1 | 144.4 | | | | | |
| | 83.4 | 87.0 | 87.2 | 89.6 | 92.1 | 91.3 | 93.3 | 93.4 | 96.2 | 96.1 | 97.5 | 97.9 | 94.3 | 142.8 | | | | | |
| | 79.6 | 83.0 | 83.1 | 85.1 | 86.9 | 87.0 | 89.2 | 88.6 | 92.7 | 94.3 | 95.4 | 95.0 | 91.0 | 142.8 | | | | | |
| | 75.0 | 78.2 | 77.0 | 78.8 | 80.4 | 81.4 | 82.0 | 81.7 | 87.6 | 89.4 | 91.7 | 88.2 | 84.2 | 141.7 | | | | | |
| | 72.6 | 73.7 | 71.4 | 72.0 | 75.5 | 75.9 | 75.8 | 75.5 | 82.7 | 85.1 | 88.6 | 82.7 | 79.4 | 141.6 | | | | | |
| | 67.6 | 71.0 | 68.3 | 66.3 | 72.7 | 73.3 | 73.8 | 69.5 | 79.0 | 83.4 | 84.2 | 77.2 | 77.3 | 149.5 | | | | | |
| OVERALL MEASURED | 108.3 | 109.8 | 110.3 | 111.0 | 112.3 | 113.1 | 115.0 | 116.4 | 120.0 | 123.6 | 128.1 | 129.6 | 127.3 | | | | | | |
| OVERALL CALCULATED | 121.4 | 122.7 | 123.7 | 124.1 | 125.0 | 125.6 | 127.0 | 128.1 | 130.0 | 132.4 | 134.3 | 140.5 | 137.5 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 774 ACOUSTIC RANGE 12.2m(40ft.) ARC MODEL-154cm²(23.9in²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) |
| 50 | 85.6 | 89.9 | 91.4 | 91.5 | 92.6 | 93.9 | 96.3 | 97.0 | 99.9 | 105.0 | 112.2 | 115.1 |
| 63 | 87.2 | 92.0 | 90.3 | 92.1 | 94.7 | 95.8 | 97.2 | 98.6 | 102.0 | 107.8 | 114.3 | 117.3 |
| 80 | 89.5 | 91.0 | 93.1 | 92.6 | 94.4 | 95.8 | 97.2 | 98.6 | 103.1 | 110.9 | 117.1 | 119.0 |
| 100 | 90.4 | 91.6 | 92.6 | 93.7 | 95.3 | 97.1 | 98.0 | 99.7 | 104.9 | 112.5 | 117.9 | 119.8 |
| 125 | 91.5 | 93.5 | 94.0 | 95.3 | 96.9 | 98.0 | 99.9 | 101.5 | 106.5 | 113.1 | 118.8 | 120.9 |
| 160 | 94.0 | 94.7 | 94.8 | 97.0 | 98.1 | 99.2 | 101.1 | 103.0 | 108.5 | 113.6 | 119.8 | 121.5 |
| 200 | 97.0 | 98.3 | 99.1 | 99.4 | 99.0 | 100.6 | 102.2 | 103.9 | 108.6 | 113.9 | 119.4 | 121.0 |
| 250 | 96.4 | 98.9 | 99.9 | 99.7 | 100.1 | 101.9 | 103.6 | 105.2 | 109.7 | 113.5 | 118.7 | 122.1 |
| 315 | 98.0 | 98.5 | 98.3 | 99.1 | 100.4 | 102.0 | 102.7 | 105.1 | 110.0 | 113.4 | 118.8 | 122.2 |
| 400 | 101.5 | 101.3 | 101.3 | 99.9 | 101.2 | 102.1 | 104.0 | 106.4 | 110.3 | 114.2 | 119.6 | 120.8 |
| 500 | 102.2 | 103.0 | 103.2 | 102.8 | 102.3 | 102.5 | 104.8 | 106.8 | 111.2 | 113.8 | 119.5 | 118.7 |
| 630 | 101.2 | 102.5 | 103.5 | 103.8 | 104.1 | 103.5 | 104.8 | 107.0 | 111.2 | 114.1 | 119.0 | 117.4 |
| 800 | 98.7 | 100.0 | 101.6 | 102.1 | 103.7 | 104.3 | 104.9 | 107.6 | 110.6 | 114.7 | 118.9 | 115.3 |
| 1000 | 98.4 | 99.4 | 100.0 | 101.5 | 102.8 | 104.2 | 105.8 | 108.2 | 110.5 | 113.6 | 114.8 | 114.7 |
| 1250 | 97.8 | 99.6 | 100.9 | 101.4 | 103.0 | 104.4 | 107.2 | 108.4 | 110.7 | 113.3 | 114.2 | 113.1 |
| 1600 | 97.5 | 99.6 | 100.1 | 101.9 | 103.7 | 104.8 | 107.2 | 108.1 | 110.6 | 113.0 | 113.4 | 112.3 |
| 2000 | 96.6 | 99.7 | 99.3 | 100.8 | 104.4 | 104.0 | 106.4 | 107.6 | 110.8 | 111.5 | 112.4 | 112.0 |
| 2500 | 95.4 | 98.4 | 98.8 | 100.5 | 102.0 | 103.4 | 105.5 | 105.9 | 108.8 | 110.5 | 110.6 | 110.2 |
| 3150 | 94.3 | 97.3 | 98.0 | 99.9 | 102.0 | 102.6 | 105.5 | 104.5 | 108.2 | 108.8 | 109.4 | 108.9 |
| 4000 | 92.5 | 95.5 | 96.2 | 97.8 | 101.8 | 100.9 | 103.6 | 102.6 | 105.9 | 106.0 | 106.1 | 106.3 |
| 5000 | 91.1 | 94.4 | 93.8 | 96.1 | 98.8 | 98.8 | 100.3 | 101.3 | 104.6 | 103.3 | 106.6 | 102.4 |
| 6300 | 90.3 | 93.9 | 94.1 | 96.6 | 99.1 | 98.3 | 100.2 | 100.3 | 103.1 | 103.0 | 104.5 | 104.8 |
| 8000 | 88.9 | 92.2 | 92.4 | 94.2 | 96.2 | 96.2 | 98.5 | 97.9 | 101.9 | 103.6 | 104.6 | 104.2 |
| 10000 | 87.3 | 90.6 | 89.4 | 91.1 | 92.7 | 93.8 | 94.3 | 94.0 | 99.9 | 101.7 | 104.0 | 100.5 |
| 12500 | 87.4 | 90.5 | 88.2 | 88.8 | 92.3 | 92.7 | 92.5 | 92.3 | 99.4 | 101.9 | 105.4 | 99.5 |
| 16000 | 90.9 | 94.1 | 91.4 | 89.4 | 95.8 | 96.4 | 96.9 | 92.6 | 102.1 | 106.5 | 107.3 | 100.5 |
| OVERALL CALCULATED | 110.4 | 112.0 | 112.5 | 113.2 | 114.7 | 115.4 | 117.3 | 118.6 | 122.3 | 125.7 | 130.1 | 131.4 |
| PNDR | 120.7 | 123.1 | 123.6 | 125.0 | 126.8 | 127.4 | 129.7 | 130.1 | 133.7 | 135.8 | 138.0 | 135.4 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 774 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|------|------|------|------|------|---|------|------|-------|
| FREQ. | 40. | 50. | 60. | 70. | 80. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | |
| | | | | | | 90. | 100. | 110. | 120. |
| NO EGA | 57.5 | 63.3 | 65.9 | 66.7 | 68.2 | 69.7 | 71.9 | 72.2 | 74.4 |
| SIDELINE 2400 FT. | 59.0 | 65.4 | 67.2 | 67.2 | 70.2 | 71.5 | 72.7 | 73.0 | 76.5 |
| (731.52 ft.) | 61.2 | 64.3 | 67.4 | 67.4 | 70.0 | 71.5 | 72.7 | 73.7 | 77.4 |
| NFA | 61.9 | 64.8 | 66.9 | 68.7 | 70.7 | 72.7 | 73.5 | 74.7 | 79.2 |
| (1. RPM) | 62.9 | 66.5 | 68.2 | 70.2 | 72.2 | 73.5 | 75.2 | 76.5 | 83.7 |
| (0. RAD/SEC) | 65.2 | 67.7 | 68.8 | 71.9 | 73.4 | 74.6 | 76.4 | 77.9 | 82.6 |
| NFK | 66.1 | 71.1 | 73.0 | 74.1 | 74.1 | 75.8 | 77.3 | 78.6 | 82.5 |
| (1. RPM) | 67.2 | 71.4 | 73.7 | 74.2 | 75.0 | 77.0 | 78.5 | 79.7 | 83.4 |
| (0. RAD/SEC) | 68.4 | 70.8 | 71.8 | 73.4 | 75.2 | 76.9 | 77.4 | 79.4 | 83.5 |
| NFD | 71.6 | 73.2 | 74.5 | 73.9 | 75.7 | 76.7 | 78.4 | 80.4 | 83.5 |
| (785. RAD/SEC) | 71.6 | 74.4 | 76.0 | 76.4 | 76.5 | 76.7 | 79.0 | 80.4 | 84.0 |
| AIRFLOW RATIO | 70.0 | 73.3 | 75.8 | 76.9 | 77.8 | 77.3 | 78.5 | 80.2 | 83.5 |
| WF/M 4.63 | 66.6 | 70.2 | 73.2 | 74.7 | 76.8 | 77.6 | 78.0 | 82.2 | 84.8 |
| VEHICLE | 65.2 | 68.6 | 70.8 | 73.3 | 75.2 | 76.8 | 78.2 | 80.1 | 81.3 |
| CONFIG NCS4 | 63.2 | 67.7 | 70.7 | 72.3 | 74.5 | 76.1 | 78.8 | 79.3 | 80.5 |
| LOC C41 ANECH CH | 61.0 | 66.0 | 68.5 | 71.5 | 74.0 | 75.4 | 77.5 | 79.0 | 79.5 |
| DATE 06-10-76 | 57.8 | 64.3 | 66.1 | 68.9 | 73.2 | 73.1 | 75.2 | 75.7 | 77.6 |
| RUN CONF7HIGHFLW | 53.2 | 60.1 | 63.0 | 66.3 | 68.7 | 70.4 | 72.2 | 71.7 | 73.0 |
| TAPE X07740 | 46.7 | 54.6 | 58.3 | 62.1 | 65.2 | 66.2 | 68.7 | 68.6 | 72.2 |
| FAN TIP SPEED | 36.9 | 46.1 | 50.6 | 54.6 | 59.9 | 59.4 | 61.7 | 59.4 | 60.4 |
| FT/SEC | 30.8 | 41.1 | 44.8 | 49.8 | 54.0 | 54.4 | 55.5 | 54.9 | 55.6 |
| 5000 | 16.2 | 29.1 | 35.1 | 41.0 | 45.4 | 45.2 | 46.5 | 44.8 | 44.1 |
| 6300 | 9.9 | 17.9 | 24.7 | 29.1 | 29.9 | 31.3 | 28.2 | 27.4 | 21.2 |
| 8000 | | | 1.6 | 6.8 | 9.0 | 8.4 | | | 9.5 |
| 10000 | | | | | | | | | |
| 12500 | | | | | | | | | |
| 16000 | | | | | | | | | |
| OVERALL CALCULATED | 79.0 | 82.1 | 84.0 | 85.3 | 86.8 | 87.9 | 89.4 | 90.7 | 93.8 |
| P. DB | 84.6 | 88.4 | 90.6 | 92.4 | 95.0 | 95.8 | 97.6 | 98.2 | 100.6 |
| | | | | | | | | | 102.0 |
| | | | | | | | | | 104.3 |
| | | | | | | | | | 102.4 |
| | | | | | | | | | 99.4 |
| | | | | | | | | | 93.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 774 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| PRC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000 | | | | | | | | | |
| FREQ. (C.70)(0.87)(1.05)(1.22)(1.57)(1.75)(2.09)(2.27)(2.44)(2.62)(2.79)(2.97)(3.15)(3.33)(3.51)(3.69)(3.87)(4.05)(4.23)(4.41)(4.59)(4.77)(4.95)(5.13)(5.31)(5.49)(5.67)(5.85)(6.03)(6.21)(6.39)(6.57)(6.75)(6.93)(7.11)(7.29)(7.47)(7.65)(7.83)(8.01)(8.19)(8.37)(8.55)(8.73)(8.91)(9.09)(9.27)(9.45)(9.63)(9.81)(9.99)(10.17)(10.35)(10.53)(10.71)(10.89)(11.07)(11.25)(11.43)(11.61)(11.79)(11.97)(12.15)(12.33)(12.51)(12.69)(12.87)(13.05)(13.23)(13.41)(13.59)(13.77)(13.95)(14.13)(14.31)(14.49)(14.67)(14.85)(15.03)(15.21)(15.39)(15.57)(15.75)(15.93)(16.11)(16.29)(16.47)(16.65)(16.83)(17.01)(17.19)(17.37)(17.55)(17.73)(17.91)(18.09)(18.27)(18.45)(18.63)(18.81)(18.99)(19.17)(19.35)(19.53)(19.71)(19.89)(20.07)(20.25)(20.43)(20.61)(20.79)(20.97)(21.15)(21.33)(21.51)(21.69)(21.87)(22.05)(22.23)(22.41)(22.59)(22.77)(22.95)(23.13)(23.31)(23.49)(23.67)(23.85)(24.03)(24.21)(24.39)(24.57)(24.75)(24.93)(25.11)(25.29)(25.47)(25.65)(25.83)(26.01)(26.19)(26.37)(26.55)(26.73)(26.91)(27.09)(27.27)(27.45)(27.63)(27.81)(27.99)(28.17)(28.35)(28.53)(28.71)(28.89)(29.07)(29.25)(29.43)(29.61)(29.79)(29.97)(30.15)(30.33)(30.51)(30.69)(30.87)(31.05)(31.23)(31.41)(31.59)(31.77)(31.95)(32.13)(32.31)(32.49)(32.67)(32.85)(33.03)(33.21)(33.39)(33.57)(33.75)(33.93)(34.11)(34.29)(34.47)(34.65)(34.83)(35.01)(35.19)(35.37)(35.55)(35.73)(35.91)(36.09)(36.27)(36.45)(36.63)(36.81)(36.99)(37.17)(37.35)(37.53)(37.71)(37.89)(38.07)(38.25)(38.43)(38.61)(38.79)(38.97)(39.15)(39.33)(39.51)(39.69)(39.87)(40.05)(40.23)(40.41)(40.59)(40.77)(40.95)(41.13)(41.31)(41.49)(41.67)(41.85)(42.03)(42.21)(42.39)(42.57)(42.75)(42.93)(43.11)(43.29)(43.47)(43.65)(43.83)(44.01)(44.19)(44.37)(44.55)(44.73)(44.91)(45.09)(45.27)(45.45)(45.63)(45.81)(45.99)(46.17)(46.35)(46.53)(46.71)(46.89)(47.07)(47.25)(47.43)(47.61)(47.79)(47.97)(48.15)(48.33)(48.51)(48.69)(48.87)(49.05)(49.23)(49.41)(49.59)(49.77)(49.95)(50.13)(50.31)(50.49)(50.67)(50.85)(51.03)(51.21)(51.39)(51.57)(51.75)(51.93)(52.11)(52.29)(52.47)(52.65)(52.83)(53.01)(53.19)(53.37)(53.55)(53.73)(53.91)(54.09)(54.27)(54.45)(54.63)(54.81)(54.99)(55.17)(55.35)(55.53)(55.71)(55.89)(56.07)(56.25)(56.43)(56.61)(56.79)(56.97)(57.15)(57.33)(57.51)(57.69)(57.87)(58.05)(58.23)(58.41)(58.59)(58.77)(58.95)(59.13)(59.31)(59.49)(59.67)(59.85)(60.03)(60.21)(60.39)(60.57)(60.75)(60.93)(61.11)(61.29)(61.47)(61.65)(61.83)(62.01)(62.19)(62.37)(62.55)(62.73)(62.91)(63.09)(63.27)(63.45)(63.63)(63.81)(63.99)(64.17)(64.35)(64.53)(64.71)(64.89)(65.07)(65.25)(65.43)(65.61)(65.79)(65.97)(66.15)(66.33)(66.51)(66.69)(66.87)(67.05)(67.23)(67.41)(67.59)(67.77)(67.95)(68.13)(68.31)(68.49)(68.67)(68.85)(69.03)(69.21)(69.39)(69.57)(69.75)(69.93)(70.11)(70.29)(70.47)(70.65)(70.83)(71.01)(71.19)(71.37)(71.55)(71.73)(71.91)(72.09)(72.27)(72.45)(72.63)(72.81)(72.99)(73.17)(73.35)(73.53)(73.71)(73.89)(74.07)(74.25)(74.43)(74.61)(74.79)(74.97)(75.15)(75.33)(75.51)(75.69)(75.87)(76.05)(76.23)(76.41)(76.59)(76.77)(76.95)(77.13)(77.31)(77.49)(77.67)(77.85)(78.03)(78.21)(78.39)(78.57)(78.75)(78.93)(79.11)(79.29)(79.47)(79.65)(79.83)(79.99)(80.17)(80.35)(80.53)(80.71)(80.89)(81.07)(81.25)(81.43)(81.61)(81.79)(81.97)(82.15)(82.33)(82.51)(82.69)(82.87)(83.05)(83.23)(83.41)(83.59)(83.77)(83.95)(84.13)(84.31)(84.49)(84.67)(84.85)(85.03)(85.21)(85.39)(85.57)(85.75)(85.93)(86.11)(86.29)(86.47)(86.65)(86.83)(87.01)(87.19)(87.37)(87.55)(87.73)(87.91)(88.09)(88.27)(88.45)(88.63)(88.81)(88.99)(89.17)(89.35)(89.53)(89.71)(89.89)(90.07)(90.25)(90.43)(90.61)(90.79)(90.97)(91.15)(91.33)(91.51)(91.69)(91.87)(92.05)(92.23)(92.41)(92.59)(92.77)(92.95)(93.13)(93.31)(93.49)(93.67)(93.85)(94.03)(94.21)(94.39)(94.57)(94.75)(94.93)(95.11)(95.29)(95.47)(95.65)(95.83)(96.01)(96.19)(96.37)(96.55)(96.73)(96.91)(97.09)(97.27)(97.45)(97.63)(97.81)(97.99)(98.17)(98.35)(98.53)(98.71)(98.89)(99.07)(99.25)(99.43)(99.61)(99.79)(99.97)(100.15)(100.33)(100.51)(100.69)(100.87)(101.05)(101.23)(101.41)(101.59)(101.77)(101.95)(102.13)(102.31)(102.49)(102.67)(102.85)(103.03)(103.21)(103.39)(103.57)(103.75)(103.93)(104.11)(104.29)(104.47)(104.65)(104.83)(105.01)(105.19)(105.37)(105.55)(105.73)(105.91)(106.09)(106.27)(106.45)(106.63)(106.81)(106.99)(107.17)(107.35)(107.53)(107.71)(107.89)(108.07)(108.25)(108.43)(108.61)(108.79)(108.97)(109.15)(109.33)(109.51)(109.69)(109.87)(110.05)(110.23)(110.41)(110.59)(110.77)(110.95)(111.13)(111.31)(111.49)(111.67)(111.85)(112.03)(112.21)(112.39)(112.57)(112.75)(112.93)(113.11)(113.29)(113.47)(113.65)(113.83)(114.01)(114.19)(114.37)(114.55)(114.73)(114.91)(115.09)(115.27)(115.45)(115.63)(115.81)(115.99)(116.17)(116.35)(116.53)(116.71)(116.89)(117.07)(117.25)(117.43)(117.61)(117.79)(117.97)(118.15)(118.33)(118.51)(118.69)(118.87)(119.05)(119.23)(119.41)(119.59)(119.77)(119.95)(120.13)(120.31)(120.49)(120.67)(120.85)(121.03)(121.21)(121.39)(121.57)(121.75)(121.93)(122.11)(122.29)(122.47)(122.65)(122.83)(123.01)(123.19)(123.37)(123.55)(123.73)(123.91)(124.09)(124.27)(124.45)(124.63)(124.81)(124.99)(125.17)(125.35)(125.53)(125.71)(125.89)(126.07)(126.25)(126.43)(126.61)(126.79)(126.97)(127.15)(127.33)(127.51)(127.69)(127.87)(128.05)(128.23)(128.41)(128.59)(128.77)(128.95)(129.13)(129.31)(129.49)(129.67)(129.85)(130.03)(130.21)(130.39)(130.57)(130.75)(130.93)(131.11)(131.29)(131.47)(131.65)(131.83)(132.01)(132.19)(132.37)(132.55)(132.73)(132.91)(133.09)(133.27)(133.45)(133.63)(133.81)(133.99)(134.17)(134.35)(134.53)(134.71)(134.89)(135.07)(135.25)(135.43)(135.61)(135.79)(135.97)(136.15)(136.33)(136.51)(136.69)(136.87)(137.05)(137.23)(137.41)(137.59)(137.77)(137.95)(138.13)(138.31)(138.49)(138.67)(138.85)(139.03)(139.21)(139.39)(139.57)(139.75)(139.93)(140.11)(140.29)(140.47)(140.65)(140.83)(141.01)(141.19)(141.37)(141.55)(141.73)(141.91)(142.09)(142.27)(142.45)(142.63)(142.81)(142.99)(143.17)(143.35)(143.53)(143.71)(143.89)(144.07)(144.25)(144.43)(144.61)(144.79)(144.97)(145.15)(145.33)(145.51)(145.69)(145.87)(146.05)(146.23)(146.41)(146.59)(146.77)(146.95)(147.13)(147.31)(147.49)(147.67)(147.85)(148.03)(148.21)(148.39)(148.57)(148.75)(148.93)(149.11)(149.29)(149.47)(149.65)(149.83)(150.01)(150.19)(150.37)(150.55)(150.73)(150.91)(151.09)(151.27)(151.45)(151.63)(151.81)(151.99)(152.17)(152.35)(152.53)(152.71)(152.89)(153.07)(153.25)(153.43)(153.61)(153.79)(153.97)(154.15)(154.33)(154.51)(154.69)(154.87)(155.05)(155.23)(155.41)(155.59)(155.77)(155.95)(156.13)(156.31)(156.49)(156.67)(156.85)(157.03)(157.21)(157.39)(157.57)(157.75)(157.93)(158.11)(158.29)(158.47)(158.65)(158.83)(159.01)(159.19)(159.37)(159.55)(159.73)(159.91)(160.09)(160.27)(160.45)(160.63)(160.81)(160.99)(161.17)(161.35)(161.53)(161.71)(161.89)(162.07)(162.25)(162.43)(162.61)(162.79)(162.97)(163.15)(163.33)(163.51)(163.69)(163.87)(164.05)(164.23)(164.41)(164.59)(164.77)(164.95)(165.13)(165.31)(165.49)(165.67)(165.85)(166.03)(166.21)(166.39)(166.57)(166.75)(166.93)(167.11)(167.29)(167.47)(167.65)(167.83)(168.01)(168.19)(168.37)(168.55)(168.73)(168.91)(169.09)(169.27)(169.45)(169.63)(169.81)(169.99)(170.17)(170.35)(170.53)(170.71)(170.89)(171.07)(171.25)(171.43)(171.61)(171.79)(171.97)(172.15)(172.33)(172.51)(172.69)(172.87)(173.05)(173.23)(173.41)(173.59)(173.77)(173.95)(174.13)(174.31)(174.49)(174.67)(174.85)(175.03)(175.21)(175.39)(175.57)(175.75)(175.93)(176.11)(176.29)(176.47)(176.65)(176.83)(177.01)(177.19)(177.37)(177.55)(177.73)(177.91)(178.09)(178.27)(178.45)(178.63)(178.81)(178.99)(179.17)(179.35)(179.53)(179.71)(179.89)(180.07)(180.25)(180.43)(180.61)(180.79)(180.97)(181.15)(181.33)(181.51)(181.69)(181.87)(182.05)(182.23)(182.41)(182.59)(182.77)(182.95)(183.13)(183.31)(183.49)(183.67)(183.85)(184.03)(184.21)(184.39)(184.57)(184.75)(184.93)(185.11)(185.29)(185.47)(185.65)(185.83)(186.01)(186.19)(186.37)(186.55)(186.73)(186.91)(187.09)(187.27)(187.45)(187.63)(187.81)(187.99)(188.17)(188.35)(188.53)(188.71)(188.89)(189.07)(189.25)(189.43)(189.61)(189.79)(189.97)(190.15)(190.33)(190.51)(190.69)(190.87)(191.05)(191.23)(191.41)(191.59)(191.77)(191.95)(192.13)(192.31)(192.49)(192.67)(192.85)(193.03)(193.21)(193.39)(193.57)(193.75)(193.93)(194.11)(194.29)(194.47)(194.65)(194.83)(195.01)(195.19)(195.37)(195.55)(195.73)(195.91)(196.09)(196.27)(196.45)(196.63)(196.81)(196.99)(197.17)(197.35)(197.53)(197.71)(197.89)(198.07)(198.25)(198.43)(198.61)(198.79)(198.97)(199.15)(199.33)(199.51)(199.69)(199.87)(200.05)(200.23)(200.41)(200.59)(200.77)(200.95)(201.13)(201.31)(201.49)(201.67)(201.85)(202.03)(202.21)(202.39)(202.57)(202.75)(202.93)(203.11)(203.29)(203.47)(203.65)(203.83)(204.01)(204.19)(204.37)(204.55)(204.73)(204.91)(205.09)(205.27)(205.45)(205.63)(205.81)(205.99)(206.17)(206.35)(206.53)(206.71)(206.89)(207.07)(207.25)(207.43)(207.61)(207.79)(207.97)(208.15)(208.33)(208.51)(208.69)(208.87)(209.05)(209.23)(209.41)(209.59)(209.77)(209.95)(210.13)(210.31)(210.49)(210.67)(210.85)(211.03)(211.21)(211.39)(211.57)(211.75)(211.93)(212.11)(212.29)(212.47)(212.65)(212.83)(213.01)(213.19)(213.37)(213.55)(213.73)(213.91)(214.09)(214.27)(214.45)(214.63)(214.81)(214.99)(215.17)(215.35)(215.53)(215.71)(215.89)(216.07)(216.25)(216.43)(216.61)(216.79)(216.97)(217.15)(217.33)(217.51)(217.69)(217.87)(218.05)(218.23)(218.41)(218.59)(218.77)(218.95)(219.13)(219.31)(219.49)(219.67)(219.85)(219.99) | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 775 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

+ 80° spectra missing, see repeat data point

7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| FREQ. (C. 70) (0.87) (1.05) (1.22) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (2.99) (3.16) (3.35) (3.54) (3.73) (3.93) (4.13) (4.34) (4.55) (4.76) (4.98) (5.20) (5.43) (5.66) (5.89) (6.12) (6.36) (6.60) (6.84) (7.09) (7.34) (7.59) (7.84) (8.10) (8.36) (8.62) (8.89) (9.16) (9.43) (9.71) (10.00) (10.29) (10.59) (10.89) (11.20) (11.51) (11.83) (12.15) (12.48) (12.81) (13.15) (13.49) (13.84) (14.19) (14.55) (14.91) (15.28) (15.65) (16.03) (16.41) (16.80) (17.19) (17.59) (18.00) (18.41) (18.83) (19.25) (19.68) (20.11) (20.55) (21.00) (21.45) (21.91) (22.38) (22.85) (23.33) (23.82) (24.31) (24.81) (25.32) (25.84) (26.36) (26.89) (27.43) (27.98) (28.53) (29.09) (29.66) (30.24) (30.83) (31.42) (32.02) (32.63) (33.25) (33.87) (34.50) (35.14) (35.79) (36.44) (37.10) (37.77) (38.45) (39.14) (39.84) (40.55) (41.27) (42.00) (42.74) (43.49) (44.25) (45.02) (45.80) (46.59) (47.39) (48.20) (49.02) (49.85) (50.69) (51.54) (52.40) (53.27) (54.15) (55.04) (55.94) (56.85) (57.77) (58.70) (59.64) (60.59) (61.55) (62.52) (63.50) (64.49) (65.49) (66.50) (67.52) (68.55) (69.59) (70.64) (71.70) (72.77) (73.85) (74.94) (76.04) (77.15) (78.27) (79.40) (80.54) (81.69) (82.85) (84.02) (85.20) (86.39) (87.59) (88.80) (89.92) (91.05) (92.19) (93.34) (94.50) (95.67) (96.85) (98.04) (99.24) (100.45) (101.67) (102.90) (104.14) (105.39) (106.65) (107.92) (109.20) (110.49) (111.79) (113.10) (114.42) (115.75) (117.09) (118.44) (119.80) (121.17) (122.55) (123.94) (125.34) (126.75) (128.17) (129.60) (131.04) (132.49) (133.95) (135.42) (136.90) (138.39) (139.89) (141.40) (142.92) (144.45) (145.99) (147.54) (149.10) (150.67) (152.25) (153.84) (155.44) (157.05) (158.67) (160.30) (161.94) (163.59) (165.25) (166.92) (168.60) (170.29) (171.99) (173.70) (175.42) (177.15) (178.89) (180.64) (182.40) (184.17) (185.95) (187.74) (189.54) (191.35) (193.17) (195.00) (196.84) (198.69) (200.55) (202.42) (204.30) (206.19) (208.09) (209.99) (211.91) (213.84) (215.78) (217.73) (219.69) (221.66) (223.64) (225.63) (227.63) (229.64) (231.66) (233.69) (235.73) (237.78) (239.84) (241.91) (243.99) (246.07) (248.16) (250.26) (252.37) (254.49) (256.62) (258.76) (260.91) (263.07) (265.24) (267.42) (269.61) (271.81) (274.02) (276.24) (278.47) (280.71) (282.96) (285.22) (287.49) (289.77) (292.06) (294.36) (296.67) (298.99) (301.32) (303.66) (306.01) (308.37) (310.74) (313.12) (315.51) (317.91) (320.32) (322.74) (325.17) (327.61) (330.06) (332.52) (334.99) (337.47) (339.96) (342.46) (344.97) (347.49) (350.02) (352.56) (355.11) (357.67) (360.24) (362.82) (365.41) (368.01) (370.62) (373.24) (375.87) (378.51) (381.16) (383.82) (386.49) (389.17) (391.86) (394.56) (397.27) (400.00) (402.74) (405.49) (408.25) (411.02) (413.80) (416.59) (419.39) (422.20) (425.02) (427.85) (430.69) (433.54) (436.40) (439.27) (442.15) (445.04) (447.94) (450.85) (453.77) (456.70) (459.64) (462.59) (465.55) (468.52) (471.50) (474.49) (477.49) (480.50) (483.52) (486.55) (489.59) (492.64) (495.70) (498.77) (501.85) (504.94) (508.04) (511.15) (514.27) (517.40) (520.54) (523.69) (526.85) (530.02) (533.20) (536.39) (539.59) (542.80) (546.02) (549.25) (552.49) (555.74) (559.00) (562.27) (565.55) (568.84) (572.14) (575.45) (578.77) (582.10) (585.44) (588.79) (592.15) (595.52) (598.90) (602.29) (605.69) (609.10) (612.52) (615.95) (619.39) (622.84) (626.30) (629.77) (633.25) (636.74) (640.24) (643.75) (647.27) (650.80) (654.34) (657.89) (661.45) (665.02) (668.60) (672.19) (675.79) (679.40) (683.02) (686.65) (690.29) (693.94) (697.60) (701.27) (704.95) (708.64) (712.34) (716.05) (719.77) (723.50) (727.24) (730.99) (734.75) (738.52) (742.30) (746.09) (749.89) (753.70) (757.52) (761.35) (765.19) (769.04) (772.90) (776.77) (780.65) (784.54) (788.44) (792.35) (796.27) (800.20) (804.14) (808.09) (812.05) (816.02) (820.00) (824.00) (828.01) (832.03) (836.06) (840.10) (844.15) (848.21) (852.28) (856.36) (860.45) (864.55) (868.66) (872.78) (876.91) (881.05) (885.20) (889.36) (893.53) (897.71) (901.90) (906.10) (910.31) (914.53) (918.76) (923.00) (927.25) (931.51) (935.78) (940.06) (944.35) (948.65) (952.96) (957.28) (961.61) (965.95) (970.30) (974.66) (979.03) (983.41) (987.80) (992.20) (996.61) (1001.03) (1005.46) (1009.90) (1014.35) (1018.81) (1023.28) (1027.76) (1032.25) (1036.75) (1041.26) (1045.78) (1050.31) (1054.85) (1059.40) (1063.96) (1068.53) (1073.11) (1077.70) (1082.30) (1086.91) (1091.53) (1096.16) (1100.80) (1105.45) (1110.11) (1114.78) (1119.46) (1124.15) (1128.85) (1133.56) (1138.28) (1143.01) (1147.75) (1152.50) (1157.26) (1162.03) (1166.81) (1171.60) (1176.40) (1181.21) (1186.03) (1190.86) (1195.70) (1200.55) (1205.41) (1210.28) (1215.16) (1220.05) (1224.95) (1229.86) (1234.78) (1239.71) (1244.65) (1249.60) (1254.56) (1259.53) (1264.51) (1269.50) (1274.50) (1279.51) (1284.53) (1289.56) (1294.60) (1299.65) (1304.71) (1309.78) (1314.86) (1319.95) (1325.05) (1330.16) (1335.28) (1340.41) (1345.55) (1350.70) (1355.86) (1361.03) (1366.21) (1371.40) (1376.60) (1381.81) (1387.03) (1392.26) (1397.50) (1402.75) (1408.01) (1413.28) (1418.56) (1423.85) (1429.15) (1434.46) (1439.78) (1445.11) (1450.45) (1455.80) (1461.16) (1466.53) (1471.91) (1477.30) (1482.70) (1488.11) (1493.53) (1498.96) (1504.40) (1509.85) (1515.31) (1520.78) (1526.26) (1531.75) (1537.25) (1542.76) (1548.28) (1553.81) (1559.35) (1564.90) (1570.46) (1576.03) (1581.61) (1587.20) (1592.80) (1598.41) (1604.03) (1609.66) (1615.30) (1620.95) (1626.61) (1632.28) (1637.96) (1643.65) (1649.35) (1655.06) (1660.78) (1666.51) (1672.25) (1678.00) (1683.76) (1689.53) (1695.31) (1701.10) (1706.90) (1712.71) (1718.53) (1724.36) (1730.20) (1736.05) (1741.91) (1747.78) (1753.66) (1759.55) (1765.45) (1771.36) (1777.28) (1783.21) (1789.15) (1795.10) (1801.06) (1807.03) (1813.01) (1819.00) (1825.00) (1831.01) (1837.03) (1843.06) (1849.10) (1855.15) (1861.21) (1867.28) (1873.36) (1879.45) (1885.55) (1891.66) (1897.78) (1903.91) (1910.05) (1916.20) (1922.36) (1928.53) (1934.71) (1940.90) (1947.10) (1953.31) (1959.53) (1965.76) (1972.00) (1978.25) (1984.51) (1990.78) (1997.06) (2003.35) (2009.65) (2015.96) (2022.28) (2028.61) (2034.95) (2041.30) (2047.66) (2054.03) (2060.41) (2066.80) (2073.20) (2079.61) (2086.03) (2092.46) (2098.90) (2105.35) (2111.81) (2118.28) (2124.76) (2131.25) (2137.75) (2144.26) (2150.78) (2157.31) (2163.85) (2170.40) (2176.96) (2183.53) (2190.11) (2196.70) (2203.30) (2209.91) (2216.53) (2223.16) (2229.80) (2236.45) (2243.11) (2249.78) (2256.46) (2263.15) (2269.85) (2276.56) (2283.28) (2289.91) (2296.55) (2303.20) (2309.86) (2316.53) (2323.21) (2329.90) (2336.60) (2343.31) (2350.03) (2356.76) (2363.50) (2370.25) (2377.01) (2383.78) (2390.56) (2397.35) (2404.15) (2410.96) (2417.78) (2424.61) (2431.45) (2438.30) (2445.16) (2452.03) (2458.91) (2465.80) (2472.70) (2479.61) (2486.53) (2493.46) (2500.40) (2507.35) (2514.31) (2521.28) (2528.26) (2535.25) (2542.25) (2549.26) (2556.28) (2563.31) (2570.35) (2577.40) (2584.46) (2591.53) (2598.61) (2605.70) (2612.80) (2619.91) (2627.03) (2634.16) (2641.30) (2648.45) (2655.61) (2662.78) (2669.96) (2677.15) (2684.35) (2691.56) (2698.78) (2706.01) (2713.25) (2720.50) (2727.76) (2735.03) (2742.31) (2749.60) (2756.90) (2764.21) (2771.53) (2778.86) (2786.20) (2793.55) (2800.91) (2808.28) (2815.66) (2823.05) (2830.45) (2837.86) (2845.28) (2852.71) (2860.15) (2867.60) (2875.06) (2882.53) (2890.01) (2897.50) (2905.00) (2912.51) (2920.03) (2927.56) (2935.10) (2942.65) (2950.21) (2957.78) (2965.36) (2972.95) (2980.55) (2988.16) (2995.78) (3003.41) (3011.05) (3018.70) (3026.36) (3034.03) (3041.71) (3049.40) (3057.10) (3064.81) (3072.53) (3080.26) (3088.00) (3095.75) (3103.51) (3111.28) (3119.06) (3126.85) (3134.65) (3142.46) (3150.28) (3158.11) (3165.95) (3173.80) (3181.66) (3189.53) (3197.41) (3205.30) (3213.20) (3221.11) (3229.03) (3236.96) (3244.90) (3252.85) (3260.81) (3268.78) (3276.76) (3284.75) (3292.75) (3300.76) (3308.78) (3316.81) (3324.85) (3332.90) (3340.96) (3349.03) (3357.11) (3365.20) (3373.30) (3381.41) (3389.53) (3397.66) (3405.80) (3413.95) (3422.11) (3430.28) (3438.46) (3446.65) (3454.85) (3463.06) (3471.28) (3479.51) (3487.75) (3496.00) (3504.26) (3512.53) (3520.81) (3529.10) (3537.40) (3545.71) (3554.03) (3562.36) (3570.70) (3579.05) (3587.41) (3595.78) (3604.16) (3612.55) (3620.95) (3629.36) (3637.78) (3646.21) (3654.65) (3663.10) (3671.56) (3680.03) (3688.51) (3697.00) (3705.50) (3714.01) (3722.53) (3731.06) (3739.60) (3748.15) (3756.71) (3765.28) (3773.86) (3782.45) (3791.05) (3800.66) (3809.28) (3817.91) (3826.55) (3835.20) (3843.86) (3852.53) (3861.21) (3869.90) (3878.60) (3887.31) (3896.03) (3904.76) (3913.50) (3922.25) (3931.01) (3939.78) (3948.56) (3957.35) (3966.15) (3974.96) (3983.78) (3992.61) (4001.45) (4010.30) (4019.16) (4028.03) (4036.91) (4045.80) (4054.70) (4063.61) (4072.53) (4081.46) (4090.40) (4099.35) (4108.31) (4117.28) (4126.26) (4135.25) (4144.25) (4153.26) (4162.28) (4171.31) (4180.35) (4189.40) (4198.46) (4207.53) (4216.61) (4225.70) (4234.80) (4243.91) (4253.03) (4262.16) (4271.30) (4280.45) (4289.61) (4298.78) (4307.96) (4317.15) (4326.35) (4335.56) (4344.78) (4354.01) (4363.25) (4372.50) (4381.76) (4391.03) (4400.31) (4409.60) (4418.90) (4428.21) (4437.53) (4446.86) (4456.20) (4465.55) (4474.91) (4484.28) (4493.66) (4503.05) (4512.45) (4521.86) (4531.28) (4540.71) (4550.15) (4559.60) (4569.06) (4578.53) (4588.01) (4597.50) (4607.00) (4616.51) (4626.03) (4635.56) (4645.10) (4654.65) (4664.21) (4673.78) (4683.36) (4692.95) (4702.55) (4712.16) (4721.78) (4731.41) (4741.05) (4750.70) (4760.36) (4770.03) (4779.71) (4789.40) (4799.10) (4808.81) (4818.53) (4828.26) (4838.00) (4847.75) (4857.51) (4867.28) (4877.06) (4886.85) (4896.65) (4906.46) (4916.28) (4926.11) (4935.95) (4945.80) (4955.66) (4965.53) (4975.41) (4985.30) (4995.20) (5005.11) (5015.03) (5024.96) (5034.90) (5044.85) (5054.81) (5064.78) (5074.76) (5084.75) (5094.75) (5104.76) (5114.78) (5124.81) (5134.85) (5144.90) (5154.96) (5165.03) (5175.11) (5185.20) (5195.30) (5205.41) (5215.53) (5225.65) (5235.78) (5245.91) (5256.05) (5266.20) (5276.36) (5286.53) (5296.71) (5306.90) (5317.10) (5327.31) (5337.53) (5347.76) (5358.00) (5368.25) (5378.51) (5388.78) (5399.06) (5409.35) (5419.65) (5429.96) (5440.28) (5450.61) (5460.95) (5471.30) (5481.66) (5492.03) (5502.41) (5512.80) (5523.20) (5533.61) (5544.03) (5554.46) (5564.90) (5575.35) (5585.81) (5596.28) (5606.76) (5617.25) (5627.75) (5638.26) (5648.78) (5659.31) (5669.85) (5680.40) (5690.96) (5701.53) (5712.11) (5722.70) (5733.30) (5743.91) (5754.53) (5765.16) (5775.80) (5786.45) (5797.11) (5807.78) (5818.46) (5829.15) (5839.85) (5850.56) (5861.28) (5872.01) (5882.75) (5893.50) (5904.26) (5915.03) (5925.81) (5936.60) (5947.40) (5958.21) (5969.03) (5979.86) (5990.70) (6001.55) (6012.41) (6023.28) (6034.16) (6045.05) (6055.95) (6066.86) (6077.78) (6088.71) (6099.65) (6110.60) (6121.56) (6132.53) (6143.51) (6154.50) (6165.50) (6176.51) (6187.53) (6198.56) (6209.60) (6220.65) (6231.71) (6242.78) (6253.86) (6264.95) (6276.05) (6287.16) (6298.28) (6309.41) (6320.55) (6331.70) (6342.86) (6354.03) (6365.21) (6376.40) (6387.60) (6398.81) (6410.03) (6421.26) (6432.50) (6443.75) (6455.01) (6466.28) (6477.56) (6488.85) (6500.15) (6511.46) (6522.78) (6534.11) (6545.45) (6556.80) (6568.16) (6579.53) (6590.91) (6602.30) (6613.70) (6625.11) (6636.53) (6647.96) (6659.40) (6670.85) (6682.31) (6693.78) (6705.26) (6716.75) (6728.25) (6739.76) (6751.28) (6762.81) (6774.35) (6785.90) (6797.46) (6809.03) (6820.61) (6832.20) (6843.80) (6855.41) (6867.03) (6878.66) (6890.30) (6901.95) (6913.61) (6925.28) (6936.96) (6948.65) (6960.35) (6972.06) (6983.78) (6995.51) (7007.25) (7019.00) (7030.76) (7042.53) (7054.31) (7066.10) (7077.90) (7089.71) (7101.53) (7113.36) (7125.20) (7137.05) (7148.91) (7160.78) (7172.66) (7184.55) (7196.45) (7208.36) (7220.28) (7232.21) (7244.15) (7256.10) (7268.06) (7279.93) (7291.81) (7303.70) (7315.60) (7327.51) (7339.43) (7351.36) (7363.30) (7375.25) (7387.21) (7399.18) (7411.16) (7423.15) (7435.15) (7447.16) (7459.18) (7471.21) (7483.25) (7495.30) (7507.36) (7519.43) (7531.51) (7543.60) (7555.70) (7567.81) (7579.93) (7592.06) (7604.20) (7616.35) (7628.51) (7640.68) (7652.86) (7665.05) (7677.25) (7689.46) (7701.68) (7713.91) (7726.15) (7738.40) (7750.66) (7762.93) (7775.21) (7787.50) (7799.80) (7812.11) (7824.43) (7836.76) (7849.10) (7861.45) (7873.81) (7886.18) (7898.56) (7910.95) (7923.35) (7935.76) (7948.18) (7960.61) (7973.05) (7985.50) (7997.96) (8010.43) (8022.91) (8035.40) (8047.90) (8060.41) (8072.93) (8085.46) (8098.00) (8110.55) (8123.11) (8135.68) (8148.26) (8160.85) (8173.45) (8186.06) (8198.68) (8211.31) (8223.95) (8236.60) (8249.26) (8261.93) (8274.61) (8287.30) (8299.99) (8312.70) (8325.42) (8338.15) (8350.89) (8363.64) (8376.40) (8389.17) (8401.95) (8414.74) (8427.54) (8440.35) (8453.17) (8466.00) (8478.84) (8491.69) (8504.55) (8517.42) (8530.30) (8543.19) (8556.09) (8569.00) (8581.92) (8594.85) (8607.79) (8620.74) (8633.70) (8646.67) (8659.65) (8672.64) (8685.64) (8698.65) (8711.67) (8724.70) (8737.74) (8750.79) (8763.85) (8776.92) (8790.00) (8803.09) (8816.19) (8829.30) (8842.42) (8855.55) (8868.69) (8881.84) (8895.00) (8908.17) (8921.35) (8934.54) (8947.74) (8960.95) (8974.17) (8987.40) (8999.64) (9012.89) (9026.15) (9039.42) (9052.70) (9065.99) (9079.29) (9092.60) (9105.92) (9119.25) (9132.59) (9145.94) (9159.30) (9172.67) (9186.05) (9199.44) (9212.84) (9226.25) (9239.67) (9253.10) (9266.54) (9279.99) (9293.45 | | | | | | | | | |

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---------------------|--|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| | | FREQ. | (0.70)(0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| | | | | | | | | | | | |
| NO EGA | | 50 | 49.5 | 53.8 | 55.9 | 56.9 | 60.8 | 62.3 | 63.5 | 63.9 | 66.6 |
| SIDE LINE 2400. FT. | | 63 | 50.5 | 55.6 | 58.2 | 59.5 | 63.1 | 63.8 | 66.0 | 67.7 | 70.8 |
| (731.52 M) | | 80 | 52.4 | 55.6 | 58.2 | 59.9 | 63.6 | 63.8 | 66.0 | 67.7 | 70.8 |
| RFA | | 120 | 53.2 | 55.8 | 58.4 | 60.4 | 64.6 | 64.8 | 66.5 | 68.7 | 72.3 |
| (1. RPM) | | 125 | 53.9 | 57.5 | 59.2 | 61.5 | 65.1 | 66.1 | 68.1 | 70.0 | 72.3 |
| MFK | | 160 | 54.7 | 58.4 | 60.1 | 62.9 | 66.0 | 67.0 | 68.7 | 70.9 | 73.2 |
| (0. RAD/SEC) | | 200 | 56.1 | 58.8 | 61.5 | 63.3 | 67.0 | 68.0 | 69.6 | 70.8 | 73.1 |
| MFK | | 250 | 55.7 | 59.4 | 62.6 | 63.7 | 67.2 | 67.9 | 70.3 | 71.9 | 73.0 |
| (0. RAD/SEC) | | 315 | 55.4 | 59.8 | 61.8 | 63.6 | 67.6 | 68.0 | 69.7 | 71.3 | 72.8 |
| MFD | | 400 | 55.0 | 59.0 | 62.0 | 63.4 | 67.3 | 68.8 | 70.2 | 71.3 | 71.5 |
| (785. RAD/SEC) | | 500 | 55.1 | 59.9 | 62.5 | 64.4 | 67.1 | 67.8 | 69.7 | 71.3 | 71.5 |
| AIRFLOW RATIO | | 630 | 54.5 | 60.1 | 62.0 | 66.7 | 71.7 | 69.1 | 70.5 | 71.8 | 71.1 |
| WF/W 4.63 | | 800 | 52.4 | 56.9 | 59.9 | 61.7 | 66.0 | 67.1 | 69.2 | 69.7 | 68.2 |
| VEHICLE | | 1000 | 50.9 | 55.9 | 58.3 | 61.1 | 65.2 | 65.9 | 68.4 | 68.1 | 65.9 |
| CONFIG | | 1250 | 49.0 | 54.9 | 57.5 | 60.1 | 65.0 | 66.4 | 66.9 | 67.0 | 64.2 |
| LOC C41 ANECHO CH | | 1600 | 46.3 | 52.1 | 54.6 | 58.3 | 63.5 | 65.2 | 65.6 | 62.9 | 60.3 |
| DATE C6-08-76 | | 2000 | 42.6 | 50.1 | 52.3 | 56.2 | 60.8 | 62.4 | 63.2 | 63.3 | 59.9 |
| RUN CONF7HIGHFLW | | 2500 | 36.5 | 45.4 | 48.8 | 52.9 | 57.6 | 59.1 | 59.6 | 58.8 | 54.8 |
| TAPE | | 3150 | 30.3 | 40.4 | 43.9 | 48.5 | 53.1 | 55.4 | 54.6 | 54.3 | 49.4 |
| X07750 | | 4000 | 20.0 | 31.5 | 36.2 | 40.5 | 46.5 | 49.4 | 46.3 | 45.9 | 39.8 |
| FAN TIP SPEED | | 5000 | 13.7 | 27.5 | 31.2 | 36.0 | 41.5 | 41.7 | 41.8 | 41.3 | 33.2 |
| FT/SEC | | 6300 | 17.1 | 23.3 | 28.2 | 32.9 | 33.3 | 31.6 | 28.5 | 19.6 | 12.1 |
| | | 8000 | | | | | | | | | |
| | | 10000 | | | | | | | | | |
| | | 12500 | | | | | | | | | |
| | | 16000 | | | | | | | | | |
| OVERALL CALCULATED | | | 65.6 | 69.8 | 72.2 | 74.5 | 78.5 | 78.9 | 80.6 | 81.8 | 82.8 |
| PNDP | | | 69.4 | 74.8 | 77.5 | 80.8 | 85.4 | 85.9 | 86.8 | 87.5 | 86.9 |

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 7 | 775 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²). |

ANECHOIC JET NOISE TEST FACILITY RESULTS

+ 80° spectra missing, see repeat data point

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
 LATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)
 (DEGREES (AND RADIANS))

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. | 10010. | 10020. | 10030. | 10040. | 10050. | 10060. | 10070. | 10080. | 10090. | 10100. | 10110. | 10120. | 10130. | 10140. | 10150. | 10160. | 10170. | 10180. | 10190. | 10200. | 10210. | 10220. | 10230. | 10240. | 10250. | 10260. | 10270. | 10280. | 10290. | 10300. | 10310. | 10320. | 10330. | 10340. | 10350. | 10360. | 10370. | 10380. | 10390. | 10400. | 10410. | 10420. | 10430. | 10440. | 10450. | 10460. | 10470. | 10480. | 10490. | 10500. | 10510. | 10520. | 10530. | 10540. | 10550. | 10560. | 10570. | 10580. | 10590. | 10600. | 10610. | 10620. | 10630. | 10640. | 10650. | 10660. | 10670. | 10680. | 10690. | 10700. | 10710. | 10720. | 10730. | 10740. | 10750. | 10760. | 10770. | 10780. | 10790. | 10800. | 10810. | 10820. | 10830. | 10840. | 10850. | 10860. | 10870. | 10880. | 10890. | 10900. | 10910. | 10920. | 10930. | 10940. | 10950. | 10960. | 10970. | 10980. | 10990. | 11000. | 11010. | 11020. | 11030. | 11040. | 11050. | 11060. | 11070. | 11080. | 11090. | 11100. | 11110. | 11120. | 11130. | 11140. | 11150. | 11160. | 11170. | 11180. | 11190. | 11200. | 11210. | 11220. | 11230. | 11240. | 11250. | 11260. | 11270. | 11280. | 11290. | 11300. | 11310. | 11320. | 11330. | 11340. | 11350. | 11360. | 11370. | 11380. | 11390. | 11400. | 11410. | 11420. | 11430. | 11440. | 11450. | 11460. | 11470. | 11480. | 11490. | 11500. | 11510. | 11520. | 11530. | 11540. | 11550. | 11560. | 11570. | 11580. | 11590. | 11600. | 11610. | 11620. | 11630. | 11640. | 11650. | 11660. | 11670. | 11680. | 11690. | 11700. | 11710. | 11720. | 11730. | 11740. | 11750. | 11760. | 11770. | 11780. | 11790. | 11800. | 11810. | 11820. | 11830. | 11840. | 11850. | 11860. | 11870. | 11880. | 11890. | 11900. | 11910. | 11920. | 11930. | 11940. | 11950. | 11960. | 11970. | 11980. | 11990. | 12000. | 12010. | 12020. | 12030. | 12040. | 12050. | 12060. | 12070. | 12080. | 12090. | 12100. | 12110. | 12120. | 12130. | 12140. | 12150. | 12160. | 12170. | 12180. | 12190. | 12200. | 12210. | 12220. | 12230. | 12240. | 12250. | 12260. | 12270. | 12280. | 12290. | 12300. | 12310. | 12320. | 12330. | 12340. | 12350. | 12360. | 12370. | 12380. | 12390. | 12400. | 12410. | 12420. | 12430. | 12440. | 12450. | 12460. | 12470. | 12480. | 12490. | 12500. | 12510. | 12520. | 12530. | 12540. | 12550. | 12560. | 12570. | 12580. | 12590. | 12600. | 12610. | 12620. | 12630. | 12640. | 12650. | 12660. | 12670. | 12680. | 12690. | 12700. | 12710. | 12720. | 12730. | 12740. | 12750. | 12760. | 12770. | 12780. | 12790. | 12800. | 12810. | 12820. | 12830. | 12840. | 12850. | 12860. | 12870. | 12880. | 12890. | 12900. | 12910. | 12920. | 12930. | 12940. | 12950. | 12960. | 12970. | 12980. | 12990. | 13000. | 13010. | 13020. | 13030. | 13040. | 13050. | 13060. | 13070. | 13080. | 13090. | 13100. | 13110. | 13120. | 13130. | 13140. | 13150. | 13160. | 13170. | 13180. | 13190. | 13200. | 13210. | 13220. | 13230. | 13240. | 13250. | 13260. | 13270. | 13280. | 13290. | 13300. | 13310. | 13320. | 13330. | 13340. | 13350. | 13360. | 13370. | 13380. | 13390. | 13400. | 13410. | 13420. | 13430. | 13440. | 13450. | 13460. | 13470. | 13480. | 13490. | 13500. | 13 |
|--|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--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|--|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--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ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 7 | 776 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

+ 80° spectra missing, see repeat data point

| NO EGA | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | |
|--------------------|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 180. | 0. | 0. | 0. | 0. | 0. | 0. |
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) | (3.49) | (3.67) | (3.85) | (4.03) |
| SIDELINE 2400. FT. | | 50 | 67.0 | 76.3 | 82.6 | 85.2 | 87.0 | 87.0 | 87.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 |
| (731.52 M) | | 80 | 71.7 | 80.8 | 86.4 | 87.7 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 |
| NFA | | 100 | 72.7 | 80.6 | 86.7 | 87.2 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 |
| (1. RPM | | 125 | 73.6 | 80.3 | 86.7 | 87.2 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 |
| (0. RAD/SEC) | | 160 | 74.0 | 80.2 | 85.3 | 86.4 | 86.4 | 86.5 | 86.6 | 86.7 | 86.8 | 86.9 | 87.0 | 87.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 |
| NFK | | 200 | 73.8 | 79.3 | 82.7 | 85.3 | 85.3 | 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0 | 86.1 | 86.2 | 86.3 | 86.4 | 86.5 | 86.6 |
| (0. RAD/SEC) | | 250 | 74.2 | 78.7 | 82.6 | 83.7 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.2 | 84.3 | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 | 85.0 |
| NFD | | 315 | 73.7 | 78.5 | 82.0 | 83.6 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.2 | 84.3 | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 |
| (7500. RPM | | 400 | 72.8 | 77.7 | 81.5 | 82.1 | 82.1 | 82.2 | 82.3 | 82.4 | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0 | 83.1 | 83.2 | 83.3 | 83.4 |
| (785. RAD/SEC) | | 500 | 71.1 | 76.6 | 81.0 | 81.9 | 81.9 | 82.0 | 82.1 | 82.2 | 82.3 | 82.4 | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0 | 83.1 | 83.2 |
| AIRFLOW RATIO | | 630 | 70.7 | 76.6 | 80.7 | 81.2 | 81.2 | 81.3 | 81.4 | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0 | 82.1 | 82.2 | 82.3 | 82.4 | 82.5 |
| WF/W 4.63 | | 800 | 69.4 | 73.9 | 79.7 | 79.7 | 79.7 | 79.8 | 79.9 | 80.0 | 80.1 | 80.2 | 80.3 | 80.4 | 80.5 | 80.6 | 80.7 | 80.8 | 80.9 | 81.0 |
| VEHICLE | CELL41 | 1000 | 66.7 | 73.1 | 78.0 | 78.6 | 78.6 | 78.7 | 78.8 | 78.9 | 79.0 | 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 |
| CONFIG | NCS3 | 1250 | 64.7 | 71.7 | 77.2 | 77.1 | 77.1 | 77.2 | 77.3 | 77.4 | 77.5 | 77.6 | 77.7 | 77.8 | 77.9 | 78.0 | 78.1 | 78.2 | 78.3 | 78.4 |
| LOC | C41 ANECH CH | 1600 | 62.5 | 69.0 | 75.3 | 75.3 | 75.4 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0 | 76.1 | 76.2 | 76.3 | 76.4 | 76.5 | 76.6 | 76.7 |
| DATE | 06-08-76 | 2000 | 59.3 | 66.1 | 73.1 | 74.2 | 74.2 | 74.3 | 74.4 | 74.5 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0 | 75.1 | 75.2 | 75.3 | 75.4 | 75.5 |
| RUN | CONF7HIGHFLW | 2500 | 54.1 | 61.4 | 69.1 | 70.8 | 70.8 | 70.9 | 71.0 | 71.1 | 71.2 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 | 72.1 |
| TAPE | X07760 | 3150 | 47.1 | 55.6 | 64.4 | 66.4 | 66.4 | 66.5 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0 | 67.1 | 67.2 | 67.3 | 67.4 | 67.5 | 67.6 | 67.7 |
| FAN TIP SPEED | | 4000 | 36.2 | 45.8 | 55.4 | 59.2 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0 | 60.1 | 60.2 | 60.3 | 60.4 | 60.5 |
| FT/SEC | | 5000 | 28.2 | 40.7 | 49.2 | 54.4 | 54.4 | 54.5 | 54.6 | 54.7 | 54.8 | 54.9 | 55.0 | 55.1 | 55.2 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 |
| | | 6300 | 12.4 | 26.3 | 39.9 | 44.6 | 44.6 | 44.7 | 44.8 | 44.9 | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 |
| | | 8000 | 7.0 | 23.3 | 28.8 | 28.8 | 28.9 | 29.0 | 29.1 | 29.2 | 29.3 | 29.4 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 30.0 | 30.1 | 30.2 |
| | | 10000 | | | | | | | | | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 83.7 | 90.0 | 95.3 | 96.5 | 96.5 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 |
| PNUB | | | 87.6 | 93.8 | 99.0 | 100.1 | 100.1 | 100.2 | 100.3 | 100.4 | 100.5 | 100.6 | 100.7 | 100.8 | 100.9 | 101.0 | 101.1 | 101.2 | 101.3 | 101.4 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 776 ACQUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

+ 80° spectra missing, see repeat data point

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | C. | G. | O. | PWL |
|--------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | 40. | 50. | 60. | 70. | 90. | 100. | 110. | 120. | 130. | 140. | | | | |
| (0.70)(0.87) | (1.05) | (1.22) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.43) | (2.79) | (2.79) | (0.) | (0.) | (0.) | (0.) |

| NO | EG | RDG. NO. | 0. | FT. | 12. M) | CELL41 | NC53 | LOC C41 | ANECH CH | DATE 06-03-76 | RUN | CONF7 | HIGHFLW | TAPE | X0777C | BAR | 29.4 | HG | (99381. N/M2) | TAMB | 63. DEG F | (290. DEG K) | TWET | 60. DEG F | (288. DEG K) | HACT12.00 | GM/M3 | (.01200 | KG/M3) | FREQ. SHIFT | JET | DIAMETER RATIO | DF/DM | 1.00 |
|-------|----|----------|-------|-------|--------|--------|-------|---------|----------|---------------|-------|-------|---------|------|--------|-----|------|----|---------------|------|-----------|--------------|------|-----------|--------------|-----------|-------|---------|--------|-------------|-----|----------------|-------|------|
| 63 | | 95-1 | 96-2 | 97-4 | 101-7 | 102-3 | 105-9 | 83-5 | 91-5 | 88-7 | 92-0 | 93-2 | 142-0 | | | | | | | | | | | | | | | | | | | | | |
| 82 | | 95-6 | 94-6 | 94-1 | 103-2 | 105-5 | 107-1 | 81-7 | 85-2 | 86-6 | 90-7 | 92-1 | 143-6 | | | | | | | | | | | | | | | | | | | | | |
| 100 | | 95-6 | 94-6 | 94-1 | 103-2 | 105-5 | 107-1 | 81-7 | 85-2 | 86-6 | 90-7 | 92-1 | 145-5 | | | | | | | | | | | | | | | | | | | | | |
| 125 | | 95-6 | 94-6 | 94-1 | 103-2 | 105-5 | 107-1 | 81-7 | 85-2 | 86-6 | 90-7 | 92-1 | 145-5 | | | | | | | | | | | | | | | | | | | | | |
| 160 | | 91-5 | 93-9 | 99-2 | 104-7 | 106-8 | 109-9 | 82-5 | 83-7 | 86-9 | 88-7 | 89-2 | 149-5 | | | | | | | | | | | | | | | | | | | | | |
| 200 | | 94-5 | 97-8 | 102-5 | 106-3 | 111-4 | 114-3 | 85-2 | 84-1 | 85-3 | 89-1 | 89-6 | 151-8 | | | | | | | | | | | | | | | | | | | | | |
| 250 | | 96-3 | 99-3 | 104-3 | 111-1 | 113-7 | 115-8 | 84-0 | 86-1 | 87-3 | 89-4 | 90-4 | 153-7 | | | | | | | | | | | | | | | | | | | | | |
| 315 | | 97-4 | 100-9 | 106-9 | 112-7 | 116-3 | 118-9 | 85-6 | 89-2 | 86-7 | 90-5 | 93-0 | 155-0 | | | | | | | | | | | | | | | | | | | | | |
| 400 | | 98-4 | 102-7 | 110-0 | 115-7 | 117-1 | 117-5 | 87-6 | 88-2 | 89-5 | 91-3 | 93-2 | 155-7 | | | | | | | | | | | | | | | | | | | | | |
| 500 | | 98-8 | 103-8 | 110-8 | 116-1 | 118-4 | 117-8 | 88-2 | 88-1 | 89-0 | 91-9 | 93-1 | 156-2 | | | | | | | | | | | | | | | | | | | | | |
| 630 | | 100-1 | 105-6 | 111-6 | 116-2 | 118-8 | 118-4 | 88-8 | 89-4 | 90-1 | 93-5 | 94-7 | 156-9 | | | | | | | | | | | | | | | | | | | | | |
| 800 | | 101-6 | 106-9 | 113-2 | 116-4 | 119-8 | 118-9 | 91-0 | 91-2 | 91-7 | 94-7 | 96-4 | 156-7 | | | | | | | | | | | | | | | | | | | | | |
| 1000 | | 102-2 | 107-5 | 113-0 | 116-3 | 119-1 | 119-2 | 93-4 | 93-5 | 94-0 | 96-1 | 97-3 | 157-2 | | | | | | | | | | | | | | | | | | | | | |
| 1250 | | 104-0 | 109-3 | 113-3 | 116-9 | 119-9 | 118-8 | 92-9 | 93-1 | 94-6 | 96-6 | 97-4 | 157-8 | | | | | | | | | | | | | | | | | | | | | |
| 1600 | | 103-6 | 109-9 | 114-2 | 118-0 | 120-8 | 118-4 | 94-6 | 95-0 | 93-9 | 97-0 | 98-2 | 156-8 | | | | | | | | | | | | | | | | | | | | | |
| 2000 | | 105-2 | 110-0 | 114-0 | 118-5 | 119-1 | 115-2 | 98-6 | 96-5 | 96-0 | 97-8 | 99-3 | 155-4 | | | | | | | | | | | | | | | | | | | | | |
| 2500 | | 105-5 | 110-8 | 113-6 | 118-1 | 116-5 | 112-8 | 99-0 | 98-1 | 98-3 | 100-4 | 99-6 | 155-0 | | | | | | | | | | | | | | | | | | | | | |
| 3150 | | 106-2 | 111-0 | 114-3 | 117-8 | 114-9 | 111-8 | 97-7 | 97-8 | 98-8 | 100-4 | 101-8 | 153-5 | | | | | | | | | | | | | | | | | | | | | |
| 4000 | | 107-0 | 110-3 | 114-6 | 115-4 | 113-7 | 109-6 | 94-9 | 95-4 | 96-3 | 99-7 | 101-4 | 153-0 | | | | | | | | | | | | | | | | | | | | | |
| 5000 | | 107-9 | 110-7 | 114-0 | 114-7 | 112-6 | 109-7 | 94-8 | 94-7 | 95-2 | 98-6 | 100-3 | 152-2 | | | | | | | | | | | | | | | | | | | | | |
| 6300 | | 107-7 | 110-8 | 113-1 | 113-3 | 111-7 | 109-0 | 94-7 | 94-6 | 94-8 | 98-4 | 100-4 | 151-1 | | | | | | | | | | | | | | | | | | | | | |
| 8000 | | 107-7 | 110-1 | 112-9 | 112-4 | 110-7 | 107-8 | 94-2 | 94-6 | 94-1 | 98-0 | 100-2 | 150-6 | | | | | | | | | | | | | | | | | | | | | |
| 10000 | | 106-9 | 109-8 | 111-1 | 110-8 | 109-7 | 107-3 | 92-9 | 94-6 | 94-4 | 98-3 | 99-9 | 149-1 | | | | | | | | | | | | | | | | | | | | | |
| 12500 | | 105-1 | 107-3 | 109-2 | 108-7 | 108-0 | 105-6 | 90-9 | 93-2 | 93-2 | 95-9 | 98-5 | 148-1 | | | | | | | | | | | | | | | | | | | | | |
| 16000 | | 103-2 | 106-4 | 107-1 | 107-3 | 105-8 | 104-2 | 89-3 | 91-3 | 91-1 | 95-9 | 98-2 | 146-1 | | | | | | | | | | | | | | | | | | | | | |
| 20000 | | 100-3 | 103-6 | 104-3 | 103-5 | 102-5 | 101-8 | 86-6 | 88-1 | 88-6 | 93-4 | 96-5 | 145-1 | | | | | | | | | | | | | | | | | | | | | |
| 25000 | | 97-2 | 101-8 | 100-9 | 102-0 | 98-7 | 98-5 | 83-3 | 86-0 | 85-7 | 90-6 | 92-6 | 145-1 | | | | | | | | | | | | | | | | | | | | | |
| 31503 | | 94-6 | 98-5 | 98-8 | 99-3 | 98-4 | 95-5 | 80-9 | 84-2 | 84-3 | 89-7 | 91-2 | 145-1 | | | | | | | | | | | | | | | | | | | | | |
| 40000 | | 90-3 | 94-6 | 96-7 | 96-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OVERALL MEASURED
OVERALL CALCULATED
PNDB

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 777 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

+80° spectra missing, see repeat data point

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 7 | 777 | 45.7m(150ft.) ARC | FULL-33m ² (531n ²) |

+ 80° spectra missing, see repeat data point

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 160. | 160. | (2.79) | (2.79) | (0.) | (0.) | (0.) | (0.) |
|----------------------------------|--------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|--------|--------|------|------|------|------|
| SIDELINE 240C. FT.
(731.52 M) | NO EGA | 53 | 70.0 | 74.6 | 80.6 | 88.2 | 91.3 | 93.3 | 91.0 | 62.4 | 62.6 | 63.1 | 58.3 | 58.3 | | | | | |
| NFA (1. RPM) | 80 | 71.9 | 77.8 | 86.2 | 92.7 | 94.6 | 94.8 | 64.5 | 64.5 | 61.9 | 64.1 | 60.8 | 60.8 | | | | | | |
| NFK (0. RAD/SEC) | 100 | 72.2 | 78.8 | 86.9 | 92.9 | 95.9 | 95.1 | 65.0 | 64.2 | 64.1 | 65.3 | 60.5 | 60.5 | | | | | | |
| NFD (750C. RPM) | 125 | 73.4 | 80.5 | 87.7 | 93.0 | 96.1 | 95.6 | 65.6 | 65.5 | 65.0 | 66.7 | 61.9 | 61.9 | | | | | | |
| AIRFLOW RATIO | 160 | 74.7 | 81.7 | 89.1 | 93.1 | 97.0 | 96.0 | 67.7 | 67.1 | 66.4 | 67.8 | 63.3 | 63.3 | | | | | | |
| WF/M 4.63 | 200 | 75.1 | 82.1 | 88.7 | 92.8 | 96.2 | 96.2 | 69.9 | 69.3 | 68.6 | 69.0 | 63.7 | 63.7 | | | | | | |
| VEHICLE CELL41 | 250 | 76.7 | 83.7 | 88.9 | 93.2 | 96.9 | 95.6 | 69.3 | 68.7 | 69.0 | 69.3 | 63.3 | 63.3 | | | | | | |
| CONFIG NC53 | 315 | 75.9 | 84.0 | 89.5 | 94.1 | 97.6 | 95.0 | 70.7 | 70.3 | 68.0 | 69.3 | 63.5 | 63.5 | | | | | | |
| LOC C41 ANECH CH | 400 | 77.0 | 83.7 | 89.0 | 94.4 | 95.6 | 91.5 | 74.4 | 71.5 | 69.7 | 69.7 | 63.7 | 63.7 | | | | | | |
| DATE 06-28-76 | 500 | 76.9 | 84.1 | 88.2 | 93.6 | 92.6 | 88.8 | 74.5 | 72.8 | 71.7 | 71.8 | 63.1 | 63.1 | | | | | | |
| RUN CONFIGHIGHFLW | 630 | 77.0 | 83.8 | 88.5 | 92.9 | 90.7 | 87.4 | 72.8 | 72.0 | 71.6 | 71.1 | 64.1 | 64.1 | | | | | | |
| TAPE X07770 | 800 | 76.9 | 82.4 | 88.2 | 89.9 | 88.9 | 84.6 | 69.5 | 68.9 | 68.4 | 67.4 | 58.8 | 58.8 | | | | | | |
| FAN TIP SPEED | 1000 | 76.7 | 81.9 | 86.8 | 88.6 | 87.2 | 84.1 | 68.7 | 67.5 | 66.4 | 65.9 | 56.3 | 56.3 | | | | | | |
| FT/SEC | 1250 | 75.2 | 80.9 | 85.0 | 86.3 | 85.5 | 82.6 | 67.7 | 66.5 | 65.0 | 65.9 | 56.3 | 56.3 | | | | | | |
| OVERALL CALCULATED | 1600 | 73.5 | 78.8 | 83.5 | 84.3 | 83.5 | 80.4 | 66.1 | 65.3 | 62.8 | 63.8 | 52.6 | 52.6 | | | | | | |
| PIDE | 2000 | 70.6 | 76.8 | 80.3 | 81.4 | 81.2 | 78.6 | 63.4 | 63.8 | 61.4 | 61.9 | 48.1 | 48.1 | | | | | | |
| | 2500 | 65.7 | 71.9 | 76.2 | 77.3 | 77.7 | 75.1 | 59.5 | 60.2 | 57.7 | 57.8 | 40.7 | 40.7 | | | | | | |
| | 3150 | 59.1 | 67.0 | 70.8 | 72.9 | 72.8 | 70.8 | 54.8 | 55.0 | 51.3 | 51.7 | 30.6 | 30.6 | | | | | | |
| | 4000 | 48.7 | 58.2 | 62.3 | 64.3 | 65.1 | 64.0 | 47.5 | 46.6 | 43.2 | 41.8 | 2.5 | 2.5 | | | | | | |
| | 5000 | 42.7 | 53.8 | 57.2 | 61.0 | 59.6 | 59.0 | 42.3 | 42.3 | 37.7 | 35.7 | 0.3 | 0.3 | | | | | | |
| | 6300 | 27.5 | 40.6 | 46.7 | 50.7 | 52.3 | 48.8 | 32.2 | 32.0 | 26.5 | 22.6 | 0.3 | 0.3 | | | | | | |
| | 8000 | 4.4 | 21.5 | 31.4 | 36.0 | 38.5 | 34.2 | 15.7 | 14.5 | 7.4 | 0.3 | 0.3 | 0.3 | | | | | | |
| | 10000 | | | 8.3 | 14.7 | 14.8 | 11.4 | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 87.5 | 93.9 | 99.6 | 104.1 | 106.6 | 105.2 | 81.8 | 80.8 | 79.8 | 80.3 | 73.9 | 73.9 | 73.9 | | | | | | |
| PIDE | 93.9 | 100.2 | 105.4 | 109.5 | 111.0 | 108.8 | 88.3 | 87.3 | 85.9 | 86.2 | 77.7 | 77.7 | 77.7 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|--|
| 7 | 777 | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

+ 80° spectra missing, see repeat data point

FREQ. 0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (3.) (3.) (3.) (3.) (3.) (3.)

| NO | REG. NO. | Q. | 40. FT. | 100 | 82.1 | 92.4 | 39.9 | 91.5 | 93.3 | 93.2 | 93.5 | 93.5 | 94.9 | 97.0 | 101.2 | 100.4 | 103.4 |
|-------|-----------------|--------------|---------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 63 | RADIAL | 40. FT. | 100 | 82.1 | 92.4 | 39.9 | 91.5 | 93.3 | 93.2 | 93.5 | 93.5 | 94.9 | 97.0 | 101.2 | 100.4 | 103.4 | 138.1 |
| 20 | VEHICLE | CELL41 | 125 | 81.6 | 86.1 | 88.1 | 90.2 | 92.0 | 93.4 | 94.0 | 94.2 | 93.4 | 93.4 | 93.4 | 101.9 | 103.6 | 104.6 |
| 100 | CONFIG | NC54 | 160 | 81.4 | 84.9 | 88.9 | 88.7 | 89.3 | 89.4 | 89.5 | 90.7 | 93.2 | 99.0 | 104.2 | 105.1 | 107.4 | 140.2 |
| 250 | LOC | C41 ANECH CH | 250 | 83.6 | 87.3 | 86.1 | 88.1 | 89.2 | 90.8 | 91.7 | 92.8 | 97.0 | 101.6 | 110.1 | 111.3 | 113.1 | 143.7 |
| 315 | DATE | 06-10-76 | 315 | 85.2 | 89.4 | 83.2 | 90.2 | 92.6 | 93.7 | 95.1 | 96.5 | 100.2 | 106.8 | 112.2 | 114.9 | 114.9 | 146.0 |
| 400 | RUN | CONF7HIGHFLW | 400 | 87.2 | 89.0 | 90.7 | 91.0 | 92.6 | 93.7 | 94.8 | 97.0 | 101.7 | 109.3 | 115.2 | 115.9 | 115.0 | 148.4 |
| 500 | TAPE | X07780 | 500 | 87.8 | 89.3 | 90.3 | 91.3 | 92.9 | 95.0 | 96.2 | 98.1 | 102.8 | 111.6 | 116.3 | 117.3 | 115.5 | 149.9 |
| 630 | BAR | 29.3 HG | 630 | 89.4 | 90.6 | 91.4 | 92.7 | 94.3 | 96.1 | 97.8 | 99.4 | 104.6 | 112.0 | 116.4 | 118.1 | 116.4 | 151.2 |
| 800 | (99111. N/M2) | | 800 | 92.1 | 92.4 | 93.2 | 94.2 | 95.5 | 97.2 | 99.0 | 100.9 | 105.9 | 112.2 | 116.9 | 118.9 | 117.4 | 152.5 |
| 1000 | TAMB | 66. DEG F | 1000 | 94.5 | 96.2 | 96.2 | 96.8 | 97.1 | 98.2 | 99.6 | 102.0 | 106.7 | 111.8 | 116.5 | 117.9 | 118.2 | 152.2 |
| 1250 | (292. DEG K) | | 1250 | 94.0 | 96.6 | 97.6 | 96.6 | 98.0 | 99.3 | 100.7 | 103.4 | 107.6 | 111.4 | 116.1 | 120.0 | 117.6 | 152.8 |
| 1600 | TWET | 62. DEG F | 1600 | 93.1 | 95.2 | 95.4 | 96.5 | 97.8 | 99.4 | 100.6 | 102.7 | 108.4 | 111.8 | 116.0 | 119.1 | 116.9 | 152.4 |
| 2000 | (290. DEG K) | | 2000 | 94.4 | 95.5 | 97.0 | 97.0 | 98.6 | 99.7 | 101.8 | 104.0 | 108.5 | 111.8 | 116.3 | 117.9 | 114.5 | 151.8 |
| 2500 | HACT12.77 GM/M3 | | 2500 | 95.0 | 95.8 | 97.1 | 97.1 | 98.5 | 99.8 | 102.2 | 104.1 | 108.8 | 111.7 | 116.6 | 116.0 | 112.1 | 151.2 |
| 3150 | (.01277 KG/M3) | | 3150 | 97.0 | 97.3 | 97.8 | 97.8 | 98.9 | 99.8 | 101.7 | 104.3 | 109.1 | 111.9 | 116.3 | 114.3 | 111.0 | 150.8 |
| 4000 | FREQ. SHIFT | | 4000 | 95.5 | 97.1 | 98.1 | 97.9 | 98.7 | 99.8 | 102.2 | 105.1 | 108.3 | 111.9 | 114.1 | 112.3 | 108.6 | 149.6 |
| 5000 | JET | | 5000 | 94.1 | 96.4 | 97.2 | 99.0 | 99.6 | 100.4 | 102.3 | 104.7 | 108.0 | 110.8 | 112.5 | 111.2 | 108.7 | 148.8 |
| 6300 | DIAMETER RATIO | | 6300 | 93.2 | 96.0 | 97.3 | 98.1 | 100.2 | 101.8 | 103.4 | 104.6 | 108.3 | 110.7 | 112.1 | 110.5 | 107.8 | 148.3 |
| 8000 | OF/DM 1.00 | | 8000 | 92.5 | 94.6 | 95.6 | 97.6 | 99.7 | 101.6 | 103.7 | 104.4 | 107.1 | 110.5 | 110.9 | 109.1 | 107.1 | 147.6 |
| 10000 | | | 10000 | 90.9 | 95.0 | 95.3 | 97.1 | 99.7 | 99.8 | 102.7 | 104.1 | 107.3 | 108.8 | 109.4 | 108.0 | 105.8 | 146.2 |
| 12500 | | | 12500 | 89.8 | 93.0 | 93.7 | 95.9 | 97.9 | 99 | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 778 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 7 | 778 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| 7 | 778 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in ²) |

| MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| PROC. DATE - MONTH 8 DAY 26 HR. 10.1 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| 63 | | | | | | | | | |
| 80 | | | | | | | | | |
| 100 | | | | | | | | | |
| 125 | | | | | | | | | |
| 160 | | | | | | | | | |
| 200 | | | | | | | | | |
| 250 | | | | | | | | | |
| 315 | | | | | | | | | |
| 400 | | | | | | | | | |
| 500 | | | | | | | | | |
| 630 | | | | | | | | | |
| 800 | | | | | | | | | |
| 1000 | | | | | | | | | |
| 1250 | | | | | | | | | |
| 1600 | | | | | | | | | |
| 2000 | | | | | | | | | |
| 2500 | | | | | | | | | |
| 3150 | | | | | | | | | |
| 4000 | | | | | | | | | |
| 5000 | | | | | | | | | |
| 6300 | | | | | | | | | |
| 8000 | | | | | | | | | |
| 10000 | | | | | | | | | |
| 12500 | | | | | | | | | |
| 16000 | | | | | | | | | |
| 20000 | | | | | | | | | |
| 25000 | | | | | | | | | |
| 31500 | | | | | | | | | |
| 40000 | | | | | | | | | |
| 50000 | | | | | | | | | |
| 63000 | | | | | | | | | |
| 80000 | | | | | | | | | |
| OVERALL MEASURE | | | | | | | | | |
| OVERALL CALCUL | | | | | | | | | |
| NO EGA | | | | | | | | | |
| RDG. NO. 3 | | | | | | | | | |
| RADIAL 40. FJ. | | | | | | | | | |
| (12. M) | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | |
| CONFIS NC54 | | | | | | | | | |
| LOC C41 AVECH CH | | | | | | | | | |
| DATE 06-10-75 | | | | | | | | | |
| RUN CONFHIGHFLW | | | | | | | | | |
| TAPE X0779D | | | | | | | | | |
| BAR 29.4 46 | | | | | | | | | |
| (99212. J/42) | | | | | | | | | |
| TAMB 68. DEG F | | | | | | | | | |
| (293. DEG K) | | | | | | | | | |
| THET 62. DEG F | | | | | | | | | |
| (290. DEG K) | | | | | | | | | |
| WACT12.41 GH/M3 | | | | | | | | | |
| (-01241 KG/M3) | | | | | | | | | |
| FREQ. SHIFT | | | | | | | | | |
| JET 3 | | | | | | | | | |
| DIAMETER RATIO | | | | | | | | | |
| DF/DM 1.06 | | | | | | | | | |
| 140.2 | | | | | | | | | |
| 141.4 | | | | | | | | | |
| 142.4 | | | | | | | | | |
| 146.0 | | | | | | | | | |
| 148.9 | | | | | | | | | |
| 150.9 | | | | | | | | | |
| 152.5 | | | | | | | | | |
| 153.4 | | | | | | | | | |
| 154.0 | | | | | | | | | |
| 155.1 | | | | | | | | | |
| 155.2 | | | | | | | | | |
| 155.9 | | | | | | | | | |
| 155.7 | | | | | | | | | |
| 155.3 | | | | | | | | | |
| 154.6 | | | | | | | | | |
| 154.3 | | | | | | | | | |
| 153.4 | | | | | | | | | |
| 152.7 | | | | | | | | | |
| 152.6 | | | | | | | | | |
| 152.3 | | | | | | | | | |
| 151.7 | | | | | | | | | |
| 150.6 | | | | | | | | | |
| 150.0 | | | | | | | | | |
| 148.1 | | | | | | | | | |
| 146.7 | | | | | | | | | |
| 146.8 | | | | | | | | | |
| 146.9 | | | | | | | | | |
| 146.2 | | | | | | | | | |
| 148.1 | | | | | | | | | |
| 154.9 | | | | | | | | | |
| 167.0 | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 779 ACOUSTIC RANGE 12.2m(40ft.) ARC MODEL-154cm²(23.9in²) SIZE

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | C. | RADIOAL 150. FT. | VEHICLE | CONF | LOC | DATE | RUN | CONF | TAPE | BAR | TAMB | TWT | HACT | FREQ. | SHIFT | JET | DIAMETER | RATIO | DF/DH | 4.63 | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | SIZE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 87.4 | 91.2 | 92.9 | 93.0 | 94.1 | 95.7 | 97.8 | 99.0 | 101.9 | 107.2 | 112.2 | 117.0 | 122.2 | 124.6 | 120.4 | 119.3 | 118.2 | 116.9 | 115.8 | 114.7 | 113.6 | 112.5 | 111.4 | 110.3 | 109.2 | 108.1 | 107.0 | 105.9 | 104.8 | 103.7 | 102.6 | 101.5 | 100.4 | 99.3 | 98.2 | 97.1 | 96.0 | 94.9 | 93.8 | 92.7 | 91.6 | 90.5 | 89.4 | 88.3 | 87.2 | 86.1 | 85.0 | 83.9 | 82.8 | 81.7 | 80.6 | 79.5 | 78.4 | 77.3 | 76.2 | 75.1 | 74.0 | 72.9 | 71.8 | 70.7 | 69.6 | 68.5 | 67.4 | 66.3 | 65.2 | 64.1 | 63.0 | 61.9 | 60.8 | 59.7 | 58.6 | 57.5 | 56.4 | 55.3 | 54.2 | 53.1 | 52.0 | 50.9 | 49.8 | 48.7 | 47.6 | 46.5 | 45.4 | 44.3 | 43.2 | 42.1 | 41.0 | 39.9 | 38.8 | 37.7 | 36.6 | 35.5 | 34.4 | 33.3 | 32.2 | 31.1 | 30.0 | 28.9 | 27.8 | 26.7 | 25.6 | 24.5 | 23.4 | 22.3 | 21.2 | 20.1 | 19.0 | 17.9 | 16.8 | 15.7 | 14.6 | 13.5 | 12.4 | 11.3 | 10.2 | 9.1 | 8.0 | 6.9 | 5.8 | 4.7 | 3.6 | 2.5 | 1.4 | 0.3 | -0.8 | -1.7 | -2.6 | -3.5 | -4.4 | -5.3 | -6.2 | -7.1 | -8.0 | -8.9 | -9.8 | -10.7 | -11.6 | -12.5 | -13.4 | -14.3 | -15.2 | -16.1 | -17.0 | -17.9 | -18.8 | -19.7 | -20.6 | -21.5 | -22.4 | -23.3 | -24.2 | -25.1 | -26.0 | -26.9 | -27.8 | -28.7 | -29.6 | -30.5 | -31.4 | -32.3 | -33.2 | -34.1 | -35.0 | -35.9 | -36.8 | -37.7 | -38.6 | -39.5 | -40.4 | -41.3 | -42.2 | -43.1 | -44.0 | -44.9 | -45.8 | -46.7 | -47.6 | -48.5 | -49.4 | -50.3 | -51.2 | -52.1 | -53.0 | -53.9 | -54.8 | -55.7 | -56.6 | -57.5 | -58.4 | -59.3 | -60.2 | -61.1 | -62.0 | -62.9 | -63.8 | -64.7 | -65.6 | -66.5 | -67.4 | -68.3 | -69.2 | -70.1 | -71.0 | -71.9 | -72.8 | -73.7 | -74.6 | -75.5 | -76.4 | -77.3 | -78.2 | -79.1 | -80.0 | -80.9 | -81.8 | -82.7 | -83.6 | -84.5 | -85.4 | -86.3 | -87.2 | -88.1 | -89.0 | -89.9 | -90.8 | -91.7 | -92.6 | -93.5 | -94.4 | -95.3 | -96.2 | -97.1 | -98.0 | -98.9 | -99.8 | -100.7 | -101.6 | -102.5 | -103.4 | -104.3 | -105.2 | -106.1 | -107.0 | -107.9 | -108.8 | -109.7 | -110.6 | -111.5 | -112.4 | -113.3 | -114.2 | -115.1 | -116.0 | -116.9 | -117.8 | -118.7 | -119.6 | -120.5 | -121.4 | -122.3 | -123.2 | -124.1 | -125.0 | -125.9 | -126.8 | -127.7 | -128.6 | -129.5 | -130.4 | -131.3 | -132.2 | -133.1 | -134.0 | -134.9 | -135.8 | -136.7 | -137.6 | -138.5 | -139.4 | -140.3 | -141.2 | -142.1 | -143.0 | -143.9 | -144.8 | -145.7 | -146.6 | -147.5 | -148.4 | -149.3 | -150.2 | -151.1 | -152.0 | -152.9 | -153.8 | -154.7 | -155.6 | -156.5 | -157.4 | -158.3 | -159.2 | -160.1 | -161.0 | -161.9 | -162.8 | -163.7 | -164.6 | -165.5 | -166.4 | -167.3 | -168.2 | -169.1 | -170.0 | -170.9 | -171.8 | -172.7 | -173.6 | -174.5 | -175.4 | -176.3 | -177.2 | -178.1 | -179.0 | -179.9 | -180.8 | -181.7 | -182.6 | -183.5 | -184.4 | -185.3 | -186.2 | -187.1 | -188.0 | -188.9 | -189.8 | -190.7 | -191.6 | -192.5 | -193.4 | -194.3 | -195.2 | -196.1 | -197.0 | -197.9 | -198.8 | -199.7 | -200.6 | -201.5 | -202.4 | -203.3 | -204.2 | -205.1 | -206.0 | -206.9 | -207.8 | -208.7 | -209.6 | -210.5 | -211.4 | -212.3 | -213.2 | -214.1 | -215.0 | -215.9 | -216.8 | -217.7 | -218.6 | -219.5 | -220.4 | -221.3 | -222.2 | -223.1 | -224.0 | -224.9 | -225.8 | -226.7 | -227.6 | -228.5 | -229.4 | -230.3 | -231.2 | -232.1 | -233.0 | -233.9 | -234.8 | -235.7 | -236.6 | -237.5 | -238.4 | -239.3 | -240.2 | -241.1 | -242.0 | -242.9 | -243.8 | -244.7 | -245.6 | -246.5 | -247.4 | -248.3 | -249.2 | -250.1 | -251.0 | -251.9 | -252.8 | -253.7 | -254.6 | -255.5 | -256.4 | -257.3 | -258.2 | -259.1 | -260.0 | -260.9 | -261.8 | -262.7 | -263.6 | -264.5 | -265.4 | -266.3 | -267.2 | -268.1 | -269.0 | -269.9 | -270.8 | -271.7 | -272.6 | -273.5 | -274.4 | -275.3 | -276.2 | -277.1 | -278.0 | -278.9 | -279.8 | -280.7 | -281.6 | -282.5 | -283.4 | -284.3 | -285.2 | -286.1 | -287.0 | -287.9 | -288.8 | -289.7 | -290.6 | -291.5 | -292.4 | -293.3 | -294.2 | -295.1 | -296.0 | -296.9 | -297.8 | -298.7 | -299.6 | -300.5 | -301.4 | -302.3 | -303.2 | -304.1 | -305.0 | -305.9 | -306.8 | -307.7 | -308.6 | -309.5 | -310.4 | -311.3 | -312.2 | -313.1 | -314.0 | -314.9 | -315.8 | -316.7 | -317.6 | -318.5 | -319.4 | -320.3 | -321.2 | -322.1 | -323.0 | -323.9 | -324.8 | -325.7 | -326.6 | -327.5 | -328.4 | -329.3 | -330.2 | -331.1 | -332.0 | -332.9 | -333.8 | -334.7 | -335.6 | -336.5 | -337.4 | -338.3 | -339.2 | -340.1 | -341.0 | -341.9 | -342.8 | -343.7 | -344.6 | -345.5 | -346.4 | -347.3 | -348.2 | -349.1 | -350.0 | -350.9 | -351.8 | -352.7 | -353.6 | -354.5 | -355.4 | -356.3 | -357.2 | -358.1 | -359.0 | -359.9 | -360.8 | -361.7 | -362.6 | -363.5 | -364.4 | -365.3 | -366.2 | -367.1 | -368.0 | -368.9 | -369.8 | -370.7 | -371.6 | -372.5 | -373.4 | -374.3 | -375.2 | -376.1 | -377.0 | -377.9 | -378.8 | -379.7 | -380.6 | -381.5 | -382.4 | -383.3 | -384.2 | -385.1 | -386.0 | -386.9 | -387.8 | -388.7 | -389.6 | -390.5 | -391.4 | -392.3 | -393.2 | -394.1 | -395.0 | -395.9 | -396.8 | -397.7 | -398.6 | -399.5 | -400.4 | -401.3 | -402.2 | -403.1 | -404.0 | -404.9 | -405.8 | -406.7 | -407.6 | -408.5 | -409.4 | -410.3 | -411.2 | -412.1 | -413.0 | -413.9 | -414.8 | -415.7 | -416.6 | -417.5 | -418.4 | -419.3 | -420.2 | -421.1 | -422.0 | -422.9 | -423.8 | -424.7 | -425.6 | -426.5 | -427.4 | -428.3 | -429.2 | -430.1 | -431.0 | -431.9 | -432.8 | -433.7 | -434.6 | -435.5 | -436.4 | -437.3 | -438.2 | -439.1 | -440.0 | -440.9 | -441.8 | -442.7 | -443.6 | -444.5 | -445.4 | -446.3 | -447.2 | -448.1 | -449.0 | -449.9 | -450.8 | -451.7 | -452.6 | -453.5 | -454.4 | -455.3 | -456.2 | -457.1 | -458.0 | -458.9 | -459.8 | -460.7 | -461.6 | -462.5 | -463.4 | -464.3 | -465.2 | -466.1 | -467.0 | -467.9 | -468.8 | -469.7 | -470.6 | -471.5 | -472.4 | -473.3 | -474.2 | -475.1 | -476.0 | -476.9 | -477.8 | -478.7 | -479.6 | -480.5 | -481.4 | -482.3 | -483.2 | -484.1 | -485.0 | -485.9 | -486.8 | -487.7 | -488.6 | -489.5 | -490.4 | -491.3 | -492.2 | -493.1 | -494.0 | -494.9 | -495.8 | -496.7 | -497.6 | -498.5 | -499.4 | -500.3 | -501.2 | -502.1 | -503.0 | -503.9 | -504.8 | -505.7 | -506.6 | -507.5 | -508.4 | -509.3 | -510.2 | -511.1 | -512.0 | -512.9 | -513.8 | -514.7 | -515.6 | -516.5 | -517.4 | -518.3 | -519.2 | -520.1 | -521.0 | -521.9 | -522.8 | -523.7 | -524.6 | -525.5 | -526.4 | -527.3 | -528.2 | -529.1 | -530.0 | -530.9 | -531.8 | -532.7 | -533.6 | -534.5 | -535.4 | -536.3 | -537.2 | -538.1 | -539.0 | -539.9 | -540.8 | -541.7 | -542.6 | -543.5 | -544.4 | -545.3 | -546.2 | -547.1 | -548.0 | -548.9 | -549.8 | -550.7 | -551.6 | -552.5 | -553.4 | -554.3 | -555.2 | -556.1 | -557.0 | -557.9 | -558.8 | -559.7 | -560.6 | -561.5 | -562.4 | -563.3 | -564.2 | -565.1 | -566.0 | -566.9 | -567.8 | -568.7 | -569.6 | -570.5 | -571.4 | -572.3 | -573.2 | -574.1 | -575.0 | -575.9 | -576.8 | -577.7 | -578.6 | -579.5 | -580.4 | -581.3 | -582.2 | -583.1 | -584.0 | -584.9 | -585.8 | -586.7 | -587.6 | -588.5 | -589.4 | -590.3 | -591.2 | -592.1 | -593.0 | -593.9 | -594.8 | -595.7 | -596.6 | -597.5 | -598.4 | -599.3 | -600.2 | -601.1 | -602.0 | -602.9 | -603.8 | -604.7 | -605.6 | -606.5 | -607.4 | -608.3 | -609.2 | -610.1 | -611.0 | -611.9 | -612.8 | -613.7 | -614.6 | -615.5 | -616.4 | -617.3 | -618.2 | -619.1 | -620.0 | -620.9 | -621.8 | -622.7 | -623.6 | -624.5 | -625.4 | -626.3 | -627.2 | -628.1 | -629.0 | -629.9 | -630.8 | -631.7 | -632.6 | -633.5 | -634.4 | -635.3 | -636.2 | -637.1 | -638.0 | -638.9 | -639.8 | -640.7 | -641.6 | -642.5 | -643.4 | -644.3 | -645.2 | -646.1 | -647.0 | -647.9 | -648.8 | -649.7 | -650.6 | -651.5 | -652.4 | -653.3 | -654.2 | -655.1 | -656.0 | -656.9 | -657.8 | -658.7 | -659.6 | -660.5 | -661.4 | -662.3 | -663.2 | -664.1 | -665.0 | -665.9 | -666.8 | -667.7 | -668.6 | -669.5 | -670.4 | -671.3 | -672.2 | -673.1 | -674.0 | -674.9 | -675.8 | -676.7 | -677.6 | -678.5 | -679.4 | -680.3 | -681.2 | -682.1 | -683.0 | -683.9 | -684.8 | -685.7 | -686.6 | -687.5 | -688.4 | -689.3 | -690.2 | -691.1 | -692.0 | -692.9 | -693.8 | -694.7 | -695.6 | -696.5 | -697.4 | -698.3 | -699.2 | -700.1 | -701.0 | -701.9 | -702.8 | -703.7 | -704.6 | -705.5 | -706.4 | -707.3 | -708.2 | -709.1 | -710.0 | -710.9 | -711.8 | -712.7 | -713.6 | -714.5 | -715.4 | -716.3 | -717.2 | -718.1 | -719.0 | -720.0 | -720.9 | -721.8 | -722.7 | -723.6 | -724.5 | -725.4 | -726.3 | -727.2 | -728.1 | -729.0 | -729.9 | -730.8 | -731.7 | -732.6 | -733.5 | -734.4 | -735.3 | -736.2 | -737.1 | -738.0 | -738.9 | -739.8 | -740.7 | -741.6 | -742.5 | -743.4 | -744.3 | -745.2 | -746.1 | -747.0 | -747.9 | -748.8 | -749.7 | -750.6 | -751.5 | -752.4 | -753.3 | -754.2 | -755.1 | -756.0 | -756.9 | -757.8 | -758.7 | -759.6 | -760.5 | -761.4 | -762.3 | -763.2 | -764.1 | -765.0 | -765.9 | -766.8 | -767.7 | -768.6 | -769.5 | -770.4 | -771.3 | -772.2 | -773.1 | -774.0 | -774.9 | -775.8 | -776.7 | -777.6 | -778.5 | -779.4 | -780.3 | -781.2 | -782.1 | -783.0 | -783.9 | -784.8 | -785.7 | -786.6 | -787.5 | -788.4 | -789.3 | -790.2 | -791.1 | -792.0 | -792.9 | -793.8 | -794.7 | -795.6 | -796.5 | -797.4 | -798.3 | -799.2 | -800.1 | -801.0 | -801.9 | -802.8 | -803.7 | -804.6 | -805.5 | -806.4 | -807.3 | -808.2 | -809.1 | -810.0 | -810.9 | -811.8 | -812.7 | -813.6 | -814.5 | -815.4 | -816.3 | -817.2 | -818.1 | -819.0 | -820.0 | -820.9 | -821.8 | -822.7 | -823.6 | -824.5 | -825.4 | -826.3 | -827.2 | -828.1 | -829.0 | -829.9 | -830.8 | -831.7 | -832.6 | -833.5 | -834.4 | -835.3 | -836.2 | -837.1 | -838.0 | -838.9 | -839.8 | -840.7 | -841.6 | -842.5 | -843.4 | -844.3 | -845.2 | -846.1 | -847.0 | -847.9 | -848.8 | -849.7 | -850.6 | -851.5 | -852.4 | -853.3 | -854.2 | -855.1 | -856.0 | -856.9 | -857.8 | -858.7 | -859.6 | -860.5 | -861.4 | -862.3 | -863.2 | -864.1 | -865.0 | -865.9 | -866.8 | -867.7 | -868.6 | -869.5 | -870.4 | -871.3 | -872.2 | -873.1 | -874.0 | -874.9 | -875.8 | -876.7 | -877.6 | -878.5 | -879.4 | -880.3 | -881.2 | -882.1 | -883.0 | -883.9 | -884.8 | -885.7 | -886.6 | -887.5 | -888.4 | -889.3 | -890.2 | -891.1 | -892.0 | -892.9 | -893.8 | -894.7 | -895.6 | -896.5 | -897.4 | -898.3 | -899.2 | -900.1 | -901.0 | -901.9 | -902.8 | -903.7 | -904.6 | -905.5 | -906.4 | -907.3 | -908.2 | -909.1 | -910.0 | -910.9 | -911.8 | -912.7 | -913.6 |

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
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| NO EGA | | FREQ. | | | | | | | | | | PWL | | | | | | | | | |
|--------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| NO. C. | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | | | |
| RADIAL 40. FT. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.37) | (1.52) | (1.67) | (1.82) | (1.97) | (2.12) | (2.27) | (2.42) | (2.57) | (2.72) | (2.87) | (3.02) | (3.17) | | | |
| VEHICLE | CELL41 | 78.1 | 88.2 | 95.7 | 87.5 | 88.3 | 88.9 | 89.5 | 89.5 | 89.7 | 90.7 | 92.7 | 95.7 | 95.6 | 132.1 | | | | | | |
| CONFIG | NC53 | 76.3 | 81.6 | 83.4 | 85.7 | 87.2 | 88.6 | 88.5 | 89.7 | 88.1 | 88.2 | 87.9 | 96.4 | 97.3 | 131.5 | | | | | | |
| LOC | C41 ANECH CH | 77.1 | 80.2 | 83.2 | 83.5 | 84.5 | 84.9 | 85.0 | 86.2 | 88.2 | 88.2 | 93.2 | 97.2 | 98.6 | 131.6 | | | | | | |
| DATE | 06-08-76 | 79.5 | 80.3 | 81.3 | 83.8 | 84.4 | 85.5 | 86.2 | 88.6 | 91.5 | 91.5 | 95.1 | 99.1 | 103.3 | 134.3 | | | | | | |
| RUN | CONF7HIGHFLW | 79.1 | 82.1 | 83.6 | 83.9 | 85.0 | 86.6 | 88.7 | 90.6 | 92.3 | 92.3 | 97.2 | 102.6 | 104.8 | 136.6 | | | | | | |
| TAPE | X07800 | 80.4 | 83.9 | 83.2 | 87.8 | 88.7 | 89.6 | 91.7 | 94.4 | 99.0 | 104.2 | 107.6 | | | 138.6 | | | | | | |
| BAR | 29.4 HG | 81.9 | 83.7 | 85.5 | 86.0 | 87.3 | 89.2 | 89.8 | 93.0 | 96.0 | 100.8 | 106.5 | 107.9 | | 139.8 | | | | | | |
| TAMB | (93381. N/M2) | 33.0 | 84.0 | 85.5 | 86.8 | 88.2 | 90.0 | 90.9 | 93.8 | 96.8 | 102.4 | 106.1 | 108.0 | | 140.1 | | | | | | |
| TWET | (292. DEG K) | 84.4 | 85.6 | 86.1 | 88.2 | 89.3 | 90.6 | 92.8 | 94.9 | 98.6 | 103.2 | 105.4 | 106.6 | | 140.6 | | | | | | |
| HACT | (289. DEG K) | 86.5 | 88.0 | 89.2 | 90.0 | 91.1 | 93.2 | 94.4 | 97.3 | 100.5 | 104.3 | 105.5 | 103.7 | | 140.3 | | | | | | |
| SHIFT | (.01186 GM/M3) | 86.8 | 88.1 | 90.3 | 90.6 | 91.5 | 93.8 | 94.7 | 97.9 | 101.6 | 104.6 | 105.1 | 104.0 | | 140.6 | | | | | | |
| FREQ. | SHIFT | 86.9 | 88.9 | 89.2 | 90.2 | 92.3 | 94.7 | 95.1 | 98.0 | 101.4 | 104.8 | 105.5 | 104.9 | | 140.9 | | | | | | |
| JET | 0 | 87.2 | 88.5 | 90.2 | 90.5 | 92.8 | 94.2 | 95.1 | 99.5 | 102.0 | 104.3 | 105.0 | 104.7 | | 140.9 | | | | | | |
| DIAMETER | RATIO | 87.5 | 89.3 | 90.8 | 91.6 | 92.7 | 94.3 | 95.7 | 99.1 | 102.3 | 103.7 | 104.1 | 104.3 | | 140.7 | | | | | | |
| DF/DM | 1.00 | 87.7 | 89.3 | 90.3 | 91.3 | 93.4 | 94.5 | 95.9 | 99.8 | 102.1 | 103.7 | 104.8 | 104.5 | | 141.3 | | | | | | |
| | | 87.3 | 88.6 | 89.8 | 91.6 | 93.0 | 94.3 | 96.5 | 100.1 | 101.8 | 103.2 | 102.9 | 104.3 | | 140.6 | | | | | | |
| | | 86.9 | 89.0 | 90.0 | 91.5 | 92.8 | 94.7 | 96.3 | 100.0 | 101.5 | 102.1 | 102.8 | 104.7 | | 140.4 | | | | | | |
| | | 86.2 | 88.5 | 89.6 | 91.1 | 93.7 | 95.0 | 97.2 | 99.3 | 101.3 | 101.2 | 102.6 | 105.5 | | 140.5 | | | | | | |
| | | 85.3 | 86.8 | 88.2 | 90.9 | 93.2 | 94.6 | 97.2 | 99.4 | 100.9 | 101.3 | 101.2 | 104.6 | | 140.3 | | | | | | |
| | | 83.4 | 87.0 | 88.1 | 89.9 | 92.7 | 93.8 | 96.2 | 99.1 | 100.4 | 99.5 | 100.7 | 104.1 | | 139.9 | | | | | | |
| | | 81.1 | 84.8 | 86.2 | 88.2 | 90.5 | 92.1 | 94.7 | 96.6 | 98.5 | 97.7 | 98.3 | 102.1 | | 138.3 | | | | | | |
| | | 79.2 | 84.2 | 85.2 | 87.6 | 89.6 | 91.0 | 94.1 | 96.9 | 95.7 | 96.5 | 100.3 | | 137.6 | | | | | | | |
| | | 75.9 | 80.8 | 82.7 | 84.5 | 88.3 | 88.1 | 91.3 | 91.3 | 94.2 | 92.0 | 93.3 | 97.0 | | 135.7 | | | | | | |
| | | 72.1 | 78.6 | 79.8 | 81.6 | 84.1 | 84.8 | 86.1 | 88.5 | 91.3 | 88.5 | 90.8 | 92.3 | | 133.6 | | | | | | |
| | | 69.7 | 76.0 | 78.5 | 80.7 | 82.7 | 82.4 | 84.6 | 85.2 | 87.5 | 84.9 | 87.6 | 92.7 | | 133.6 | | | | | | |
| | | 64.1 | 71.3 | 74.7 | 76.5 | 76.8 | 78.0 | 79.3 | 80.2 | 82.7 | 81.4 | 83.7 | 87.5 | | 132.1 | | | | | | |
| | | 56.8 | 64.1 | 68.1 | 69.9 | 69.9 | 70.8 | 71.5 | 73.0 | 76.4 | 74.5 | 77.8 | 79.7 | | 129.4 | | | | | | |
| | | 49.1 | 56.7 | 62.2 | 63.1 | 61.5 | 63.5 | 63.0 | 65.6 | 68.5 | 67.4 | 71.1 | 73.0 | | 128.4 | | | | | | |
| | | 41.2 | 50.4 | 57.0 | 56.0 | 54.7 | 56.0 | 57.7 | 55.6 | 62.5 | 61.9 | 66.6 | 65.6 | | 131.6 | | | | | | |
| OVERALL MEASURED | | 98.3 | 100.5 | 101.5 | 102.9 | 104.7 | 106.2 | 107.9 | 110.7 | 113.1 | 115.4 | 117.1 | 118.3 | | 153.2 | | | | | | |
| OVERALL CALCULATED | | 111.3 | 113.2 | 114.6 | 115.6 | 117.3 | 118.7 | 120.5 | 123.5 | 125.7 | 127.7 | 129.2 | 129.8 | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 780 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

+ 80° spectra missing, see repeat data point

FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS | | | | | | | | | | SCALED FROM MODEL DATA | | | | | | | | | | PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------|--|--|--|--|--|--|--|--|--|
| FREQ. | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | HUM. DAY - JENOTS | | | | | | | | | |
| 40. 50. 60. 70. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | C. D. O. (C.) | | | | | | | | | | | | | | | | | | | |

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 7 | 780 | 731.5m(2400ft.) | FULL-.33m ² (513in ²) |

+ 80° spectra missing, see repeat data point

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 PROC. DATE - MONTH 8 DAY 26 HR. 18.5

| ROG. NO. | NO EGA | VEHICLE | CELL41 | CONF41 | LOC C41 | DATE 06-08-76 | RUN CONF7HIGHFLW | TAPE XC7810 | BAR 29.4 HG | (99347. N/M2) | TAMB 64. DEG F | (291. DEG K) | TWET 60. DEG F | (288. DEG K) | HACT11.71 GM/M3 | (.01171 KG/M3) | FREQ. SHIFT | JET | DIAMETER RATIO | DF/DW 4.63 | OVERALL CALCULATED | PNDB |
|--------------------|--------|---------|--------|--------|---------|---------------|------------------|-------------|-------------|---------------|----------------|--------------|----------------|--------------|-----------------|----------------|-------------|-------|----------------|------------|--------------------|-------|
| 50 | 93.6 | 98.7 | 106.7 | 109.7 | 111.3 | 88.2 | 90.8 | 92.0 | 93.4 | 96.2 | 99.4 | 100.2 | 101.9 | 103.7 | 106.2 | 108.8 | 110.9 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 |
| 63 | 95.7 | 101.0 | 108.5 | 112.1 | 113.4 | 90.3 | 93.9 | 94.1 | 95.3 | 98.6 | 100.0 | 101.1 | 101.8 | 104.1 | 106.1 | 107.4 | 109.5 | 111.2 | 113.2 | 115.4 | 117.4 | 120.3 |
| 80 | 97.0 | 103.0 | 111.0 | 113.6 | 113.7 | 92.5 | 92.9 | 94.1 | 95.5 | 98.1 | 100.1 | 101.1 | 101.8 | 104.1 | 106.1 | 107.4 | 109.5 | 111.2 | 113.2 | 115.4 | 117.4 | 120.3 |
| 100 | 98.4 | 104.4 | 111.4 | 113.7 | 114.0 | 93.4 | 92.8 | 93.4 | 95.9 | 98.7 | 101.2 | 102.8 | 104.1 | 105.8 | 108.2 | 110.3 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 |
| 125 | 100.2 | 105.2 | 111.0 | 113.8 | 114.1 | 94.7 | 95.1 | 94.5 | 97.2 | 100.6 | 102.8 | 104.1 | 105.8 | 108.2 | 110.3 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 |
| 160 | 101.7 | 106.5 | 110.5 | 113.0 | 113.6 | 96.7 | 95.9 | 95.8 | 98.5 | 101.6 | 103.8 | 105.1 | 106.8 | 109.3 | 111.5 | 113.6 | 115.8 | 118.0 | 120.3 | 121.7 | 125.9 | 134.4 |
| 200 | 102.0 | 106.8 | 110.1 | 110.9 | 112.5 | 98.1 | 99.2 | 99.1 | 100.8 | 103.4 | 105.1 | 106.8 | 109.3 | 111.5 | 113.6 | 115.8 | 118.0 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 |
| 250 | 103.6 | 107.4 | 109.7 | 111.2 | 112.6 | 100.2 | 100.1 | 100.2 | 101.9 | 103.7 | 106.2 | 108.8 | 110.9 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 |
| 315 | 104.0 | 107.0 | 110.0 | 112.1 | 113.4 | 106.5 | 104.2 | 101.1 | 101.8 | 104.1 | 106.1 | 107.4 | 109.5 | 111.2 | 113.2 | 115.4 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 |
| 400 | 103.8 | 106.8 | 109.6 | 111.9 | 112.2 | 107.6 | 105.5 | 105.1 | 105.1 | 106.2 | 107.4 | 109.5 | 111.2 | 113.2 | 115.4 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 |
| 500 | 104.7 | 106.2 | 109.2 | 112.7 | 112.3 | 106.9 | 106.6 | 105.5 | 108.0 | 109.0 | 107.7 | 107.7 | 110.6 | 108.8 | 110.3 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 |
| 630 | 104.7 | 106.7 | 109.7 | 112.2 | 110.3 | 105.7 | 105.3 | 105.5 | 107.7 | 110.6 | 108.8 | 110.3 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 |
| 800 | 104.2 | 105.3 | 108.8 | 111.1 | 108.4 | 104.3 | 104.2 | 104.1 | 105.8 | 108.2 | 110.3 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 1000 | 103.9 | 105.2 | 108.5 | 110.5 | 108.6 | 103.4 | 103.8 | 104.0 | 106.2 | 108.3 | 110.5 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 1250 | 104.0 | 104.6 | 107.9 | 109.7 | 108.5 | 102.8 | 103.0 | 103.2 | 106.1 | 109.5 | 111.2 | 113.2 | 115.4 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 1600 | 103.5 | 104.6 | 106.9 | 108.9 | 107.7 | 102.1 | 103.0 | 102.1 | 105.9 | 109.0 | 111.4 | 113.2 | 115.4 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 2000 | 103.6 | 103.2 | 106.1 | 108.6 | 107.1 | 100.7 | 102.6 | 102.3 | 105.1 | 109.2 | 111.2 | 113.2 | 115.4 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 2500 | 101.5 | 100.6 | 103.8 | 107.5 | 106.0 | 99.3 | 101.5 | 101.2 | 105.3 | 108.7 | 110.9 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 3150 | 101.1 | 99.8 | 102.0 | 105.9 | 104.0 | 98.3 | 100.7 | 100.2 | 105.0 | 108.8 | 110.4 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 4000 | 98.1 | 96.4 | 99.0 | 102.8 | 102.8 | 96.3 | 98.0 | 99.1 | 102.9 | 107.8 | 109.6 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 |
| 5000 | 96.0 | 93.9 | 98.1 | 99.7 | 101.1 | 95.1 | 98.1 | 96.7 | 101.4 | 105.3 | 105.8 | 108.8 | 110.4 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 |
| 6300 | 94.4 | 91.5 | 96.4 | 101.8 | 100.0 | 94.2 | 97.6 | 97.3 | 101.2 | 105.4 | 106.2 | 109.6 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 |
| 8000 | 91.3 | 90.2 | 95.2 | 98.9 | 97.5 | 91.9 | 95.0 | 95.0 | 97.9 | 103.1 | 104.9 | 106.2 | 109.6 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 |
| 10000 | 86.8 | 86.7 | 92.8 | 95.6 | 93.8 | 87.2 | 92.1 | 92.8 | 96.8 | 99.9 | 100.7 | 102.7 | 105.8 | 108.8 | 110.4 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 |
| 12500 | 83.3 | 83.8 | 90.3 | 93.0 | 91.7 | 85.6 | 90.7 | 90.5 | 93.3 | 98.6 | 98.8 | 100.7 | 102.7 | 105.8 | 108.8 | 110.4 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 |
| 16000 | 82.0 | 83.2 | 90.9 | 92.0 | 94.2 | 86.5 | 91.3 | 91.2 | 95.9 | 99.7 | 101.7 | 102.7 | 105.8 | 108.8 | 110.4 | 112.4 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 |
| OVERALL CALCULATED | 115.5 | 117.9 | 121.9 | 124.3 | 124.5 | 115.4 | 115.2 | 114.8 | 117.4 | 120.3 | 121.7 | 125.9 | 134.4 | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 | 175.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 781 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

+ 80° spectra missing, see repeat data point

FULL SIZE SOUND

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE. | SIZE |
|---------------|------------|--------------------------|--|
| 7 | 78/ | 731.5m(2400ft.) SIDELINE | FULL-.33m ² (513in ²) |

+ 80° spectra missing, see repeat data point

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PWL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 |
| RDG. NO. | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 |
| RADIAL (12. M) | 76.4 | 76.1 | 75.9 | 75.7 | 75.5 | 75.3 | 75.1 | 74.9 | 74.7 | 74.5 | 74.3 | 74.1 | 73.9 | 73.7 | 73.5 | 73.3 | 73.1 |
| VEHICLE CELL41 | 80.9 | 80.7 | 80.5 | 80.3 | 80.1 | 79.9 | 79.7 | 79.5 | 79.3 | 79.1 | 78.9 | 78.7 | 78.5 | 78.3 | 78.1 | 77.9 | 77.7 |
| CONFIG NC54 | 78.7 | 78.5 | 78.3 | 78.1 | 77.9 | 77.7 | 77.5 | 77.3 | 77.1 | 76.9 | 76.7 | 76.5 | 76.3 | 76.1 | 75.9 | 75.7 | 75.5 |
| LOC C41 ANECH CH | 72.0 | 71.8 | 71.6 | 71.4 | 71.2 | 71.0 | 70.8 | 70.6 | 70.4 | 70.2 | 70.0 | 69.8 | 69.6 | 69.4 | 69.2 | 69.0 | 68.8 |
| DATE 06-10-76 | 70.6 | 70.4 | 70.2 | 70.0 | 69.8 | 69.6 | 69.4 | 69.2 | 69.0 | 68.8 | 68.6 | 68.4 | 68.2 | 68.0 | 67.8 | 67.6 | 67.4 |
| RUN CONF7CONTSTA | 78.4 | 78.2 | 78.0 | 77.8 | 77.6 | 77.4 | 77.2 | 77.0 | 76.8 | 76.6 | 76.4 | 76.2 | 76.0 | 75.8 | 75.6 | 75.4 | 75.2 |
| TAPE X07900 | 80.7 | 80.5 | 80.3 | 80.1 | 79.9 | 79.7 | 79.5 | 79.3 | 79.1 | 78.9 | 78.7 | 78.5 | 78.3 | 78.1 | 77.9 | 77.7 | 77.5 |
| BAR 29.4 4G | 83.0 | 82.8 | 82.6 | 82.4 | 82.2 | 82.0 | 81.8 | 81.6 | 81.4 | 81.2 | 81.0 | 80.8 | 80.6 | 80.4 | 80.2 | 80.0 | 79.8 |
| (99246. N/12) | 82.4 | 82.2 | 82.0 | 81.8 | 81.6 | 81.4 | 81.2 | 81.0 | 80.8 | 80.6 | 80.4 | 80.2 | 80.0 | 79.8 | 79.6 | 79.4 | 79.2 |
| TAMB 68. DEG F | 84.1 | 83.9 | 83.7 | 83.5 | 83.3 | 83.1 | 82.9 | 82.7 | 82.5 | 82.3 | 82.1 | 81.9 | 81.7 | 81.5 | 81.3 | 81.1 | 80.9 |
| (293. DEG K) | 87.2 | 87.0 | 86.8 | 86.6 | 86.4 | 86.2 | 86.0 | 85.8 | 85.6 | 85.4 | 85.2 | 85.0 | 84.8 | 84.6 | 84.4 | 84.2 | 84.0 |
| TWET 62. DEG F | 86.3 | 86.1 | 85.9 | 85.7 | 85.5 | 85.3 | 85.1 | 84.9 | 84.7 | 84.5 | 84.3 | 84.1 | 83.9 | 83.7 | 83.5 | 83.3 | 83.1 |
| (290. DEG K) | 89.7 | 89.5 | 89.3 | 89.1 | 88.9 | 88.7 | 88.5 | 88.3 | 88.1 | 87.9 | 87.7 | 87.5 | 87.3 | 87.1 | 86.9 | 86.7 | 86.5 |
| HACT12.17 GM/M3 | 87.2 | 87.0 | 86.8 | 86.6 | 86.4 | 86.2 | 86.0 | 85.8 | 85.6 | 85.4 | 85.2 | 85.0 | 84.8 | 84.6 | 84.4 | 84.2 | 84.0 |
| (.01217 KG/M3) | 93.2 | 93.0 | 92.8 | 92.6 | 92.4 | 92.2 | 92.0 | 91.8 | 91.6 | 91.4 | 91.2 | 91.0 | 90.8 | 90.6 | 90.4 | 90.2 | 90.0 |
| FREQ. SHIFT | 91.3 | 91.1 | 90.9 | 90.7 | 90.5 | 90.3 | 90.1 | 89.9 | 89.7 | 89.5 | 89.3 | 89.1 | 88.9 | 88.7 | 88.5 | 88.3 | 88.1 |
| JET 0 | 94.6 | 94.4 | 94.2 | 94.0 | 93.8 | 93.6 | 93.4 | 93.2 | 93.0 | 92.8 | 92.6 | 92.4 | 92.2 | 92.0 | 91.8 | 91.6 | 91.4 |
| DIAMETER RATIO | 95.7 | 95.5 | 95.3 | 95.1 | 94.9 | 94.7 | 94.5 | 94.3 | 94.1 | 93.9 | 93.7 | 93.5 | 93.3 | 93.1 | 92.9 | 92.7 | 92.5 |
| DF/DR 1.00 | 94.5 | 94.3 | 94.1 | 93.9 | 93.7 | 93.5 | 93.3 | 93.1 | 92.9 | 92.7 | 92.5 | 92.3 | 92.1 | 91.9 | 91.7 | 91.5 | 91.3 |
| 10000 | 91.7 | 91.5 | 91.3 | 91.1 | 90.9 | 90.7 | 90.5 | 90.3 | 90.1 | 89.9 | 89.7 | 89.5 | 89.3 | 89.1 | 88.9 | 88.7 | 88.5 |
| 12500 | 88.6 | 88.4 | 88.2 | 88.0 | 87.8 | 87.6 | 87.4 | 87.2 | 87.0 | 86.8 | 86.6 | 86.4 | 86.2 | 86.0 | 85.8 | 85.6 | 85.4 |
| 16000 | 86.4 | 86.2 | 86.0 | 85.8 | 85.6 | 85.4 | 85.2 | 85.0 | 84.8 | 84.6 | 84.4 | 84.2 | 84.0 | 83.8 | 83.6 | 83.4 | 83.2 |
| 20000 | 82.7 | 82.5 | 82.3 | 82.1 | 81.9 | 81.7 | 81.5 | 81.3 | 81.1 | 80.9 | 80.7 | 80.5 | 80.3 | 80.1 | 79.9 | 79.7 | 79.5 |
| 25000 | 79.3 | 79.1 | 78.9 | 78.7 | 78.5 | 78.3 | 78.1 | 77.9 | 77.7 | 77.5 | 77.3 | 77.1 | 76.9 | 76.7 | 76.5 | 76.3 | 76.1 |
| 31500 | 76.4 | 76.2 | 76.0 | 75.8 | 75.6 | 75.4 | 75.2 | 75.0 | 74.8 | 74.6 | 74.4 | 74.2 | 74.0 | 73.8 | 73.6 | 73.4 | 73.2 |
| 40000 | 70.9 | 70.7 | 70.5 | 70.3 | 70.1 | 69.9 | 69.7 | 69.5 | 69.3 | 69.1 | 68.9 | 68.7 | 68.5 | 68.3 | 68.1 | 67.9 | 67.7 |
| 50000 | 63.0 | 62.8 | 62.6 | 62.4 | 62.2 | 62.0 | 61.8 | 61.6 | 61.4 | 61.2 | 61.0 | 60.8 | 60.6 | 60.4 | 60.2 | 60.0 | 59.8 |
| 63000 | 56.5 | 56.3 | 56.1 | 55.9 | 55.7 | 55.5 | 55.3 | 55.1 | 54.9 | 54.7 | 54.5 | 54.3 | 54.1 | 53.9 | 53.7 | 53.5 | 53.3 |
| 80000 | 50.2 | 50.0 | 49.8 | 49.6 | 49.4 | 49.2 | 49.0 | 48.8 | 48.6 | 48.4 | 48.2 | 48.0 | 47.8 | 47.6 | 47.4 | 47.2 | 47.0 |
| OVERALL MEASURED | 102.9 | 103.7 | 103.9 | 104.2 | 105.9 | 105.7 | 106.6 | 107.2 | 109.9 | 113.6 | 117.8 | 118.9 | 117.0 | 117.0 | 117.0 | 117.0 | 117.0 |
| OVERALL CALCULATED | 115.2 | 115.2 | 117.1 | 117.1 | 120.2 | 118.6 | 119.1 | 119.9 | 122.0 | 125.2 | 125.1 | 127.1 | 127.1 | 127.1 | 127.1 | 127.1 | 127.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 790 ACOUSTIC RANGE 12.2m(40ft.) ARC MODEL-154cm²(23.9in²) SIZE

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE
FULL-.33m²(513in²)

| | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY) | | | | | |
|-------|--|--------------|--------------|--------------|--------------|--------------|
| | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. |
| ORDER | (2.79)(0.87) | (1.05)(1.22) | (1.42)(1.57) | (1.75)(1.92) | (2.09)(2.27) | (2.44)(2.62) |
| | 162. | 150. | 140. | 130. | 120. | 110. |
| | 0. | 0. | 0. | 0. | 0. | 0. |
| | (0.015) | (0.015) | (0.015) | (0.015) | (0.015) | (0.015) |

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 7 | 790 | 731.5m(2400ft.) | FULL-.33m ² (513in ²) |

PROC. DATE - MONTH 8 DAY 25 HR. 21.4
ATA (S9. DEG. F 7C PERCENT REL. HUM. DAY - JENOTS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (C.) | (C.) | (C.) | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-----|
| NO EGA | 50 | 79.9 | 83.7 | 84.9 | 86.7 | 89.4 | 90.5 | 91.2 | 92.8 | 95.3 | 100.6 | 106.8 | 110.2 | 111.3 | 152.5 | | | |
| RDG. NO. 2. | 80 | 84.0 | 85.5 | 88.1 | 87.1 | 88.9 | 90.0 | 91.2 | 92.8 | 95.8 | 103.1 | 109.8 | 111.5 | 111.8 | 155.2 | | | |
| RADIAL 150. FT. | 100 | 83.9 | 85.6 | 86.9 | 87.2 | 88.8 | 90.9 | 92.5 | 93.7 | 97.6 | 104.9 | 111.4 | 113.3 | 112.1 | 158.2 | | | |
| (46. M) | 125 | 85.2 | 87.0 | 88.0 | 90.0 | 90.4 | 92.0 | 93.6 | 95.3 | 99.5 | 105.6 | 112.5 | 113.9 | 113.2 | 159.1 | | | |
| VEHICLE CELL#1 | 160 | 87.0 | 88.2 | 89.0 | 90.3 | 91.9 | 93.5 | 94.6 | 96.5 | 103.5 | 105.8 | 113.0 | 114.5 | 113.2 | 159.9 | | | |
| CONFIG NC54 | 200 | 90.3 | 91.6 | 92.3 | 92.6 | 93.5 | 94.6 | 96.0 | 96.9 | 103.6 | 105.7 | 111.9 | 113.3 | 112.6 | 158.7 | | | |
| LOC C41 ANECH CH | 250 | 88.4 | 91.7 | 92.4 | 92.5 | 93.6 | 95.2 | 96.6 | 98.5 | 101.4 | 105.3 | 110.7 | 112.9 | 111.4 | 158.9 | | | |
| DATE 06-10-76 | 315 | 88.7 | 90.8 | 91.3 | 92.1 | 93.7 | 95.3 | 95.7 | 97.6 | 101.8 | 105.6 | 109.1 | 111.2 | 109.8 | 156.8 | | | |
| RUN CON7CHTSTA | 400 | 89.3 | 90.6 | 91.6 | 91.9 | 93.7 | 94.6 | 96.7 | 98.4 | 101.1 | 104.9 | 106.4 | 107.8 | 106.3 | 154.7 | | | |
| TAPE XC791D | 500 | 90.4 | 91.0 | 91.7 | 92.5 | 93.3 | 94.7 | 96.8 | 98.5 | 101.7 | 103.8 | 104.5 | 105.4 | 104.5 | 153.5 | | | |
| BAR 29.4 HG | 630 | 93.4 | 93.2 | 92.5 | 93.8 | 94.3 | 94.5 | 95.7 | 98.3 | 101.7 | 103.6 | 102.8 | 103.2 | 102.5 | 152.7 | | | |
| (99246. N/M2) | 800 | 93.0 | 93.3 | 94.3 | 93.8 | 94.7 | 94.9 | 96.1 | 97.7 | 100.0 | 100.8 | 99.5 | 99.9 | 99.4 | 151.6 | | | |
| TAMB 63. DEG F | 1000 | 91.9 | 92.2 | 93.2 | 94.3 | 93.8 | 94.6 | 94.9 | 96.1 | 97.0 | 97.2 | 99.9 | 99.8 | 97.9 | 150.5 | | | |
| (293. DEG K) | 1250 | 91.3 | 91.4 | 91.9 | 92.7 | 94.7 | 96.1 | 97.0 | 97.2 | 99.9 | 99.8 | 97.9 | 99.1 | 98.6 | 150.1 | | | |
| TWET 62. DEG F | 1600 | 90.7 | 90.8 | 91.4 | 92.1 | 93.7 | 95.3 | 96.7 | 97.1 | 99.1 | 98.3 | 97.2 | 98.3 | 98.1 | 149.5 | | | |
| (290. DEG K) | 2000 | 88.9 | 90.6 | 91.6 | 93.9 | 94.0 | 95.6 | 96.6 | 98.6 | 98.2 | 95.9 | 98.0 | 98.0 | 98.0 | 148.2 | | | |
| HACT12.17 GM/M3 | 2500 | 86.4 | 88.6 | 89.0 | 90.5 | 92.3 | 92.9 | 95.3 | 94.9 | 96.3 | 96.5 | 94.9 | 96.9 | 97.4 | 147.6 | | | |
| (.01217 KG/M3) | 3150 | 85.3 | 87.1 | 87.5 | 89.9 | 91.7 | 92.1 | 94.7 | 93.7 | 96.0 | 95.3 | 93.9 | 96.1 | 95.8 | 145.8 | | | |
| FREQ. SHIFT | 4000 | 82.7 | 85.1 | 85.4 | 87.3 | 90.6 | 90.2 | 93.1 | 91.4 | 94.2 | 92.3 | 90.1 | 93.5 | 93.9 | 143.5 | | | |
| JET 7 | 5000 | 81.1 | 83.7 | 83.9 | 85.4 | 87.9 | 87.8 | 89.4 | 90.0 | 92.4 | 89.3 | 89.3 | 83.9 | 91.5 | 143.5 | | | |
| DIAMETER RATIO | 6300 | 81.1 | 83.9 | 84.7 | 86.3 | 88.1 | 87.5 | 90.2 | 88.6 | 90.4 | 87.5 | 86.2 | 89.6 | 89.8 | 143.4 | | | |
| DF/DM 4.63 | 8000 | 78.4 | 82.3 | 84.4 | 85.9 | 87.0 | 86.8 | 88.5 | 86.9 | 88.5 | 85.6 | 83.4 | 86.5 | 87.0 | 142.7 | | | |
| | 10000 | 75.4 | 79.8 | 82.6 | 84.4 | 84.2 | 85.8 | 86.3 | 84.8 | 85.4 | 81.5 | 80.0 | 80.7 | 81.5 | 141.4 | | | |
| | 12500 | 72.4 | 76.9 | 81.2 | 82.1 | 81.8 | 83.4 | 84.0 | 83.8 | 83.9 | 80.1 | 77.4 | 76.0 | 79.0 | 141.2 | | | |
| | 16000 | 72.6 | 76.8 | 82.3 | 80.9 | 80.0 | 82.1 | 83.6 | 81.8 | 82.8 | 81.4 | 77.7 | 73.7 | 81.2 | 140.5 | | | |
| OVERALL CALCULATED | 132.1 | 103.2 | 103.9 | 104.5 | 105.9 | 106.9 | 108.4 | 109.6 | 112.6 | 115.9 | 120.7 | 122.4 | 121.8 | 121.8 | | | | |
| PND8 | 112.2 | 113.9 | 114.5 | 115.7 | 117.4 | 118.0 | 120.0 | 120.1 | 122.6 | 123.5 | 125.4 | 121.2 | 126.5 | 126.5 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 7 | 791 | 45.7m(150ft.) ARC | FULL - .33m ² (513in ²) |

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| | | FREQ. (C.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) |
| | | 50 | 51.7 | 57.1 | 59.4 | 59.9 | 61.7 | 63.4 | 65.9 | 66.2 | 67.4 |
| | | 63 | 52.7 | 60.4 | 53.7 | 61.7 | 65.0 | 66.2 | 66.5 | 67.0 | 69.7 |
| | | 80 | 55.7 | 58.8 | 62.4 | 62.2 | 64.5 | 65.7 | 66.7 | 67.9 | 71.2 |
| | | 100 | 55.4 | 58.8 | 61.2 | 62.2 | 64.2 | 66.5 | 68.0 | 68.7 | 71.9 |
| | | 125 | 56.6 | 60.0 | 62.2 | 64.0 | 65.7 | 67.5 | 69.0 | 70.2 | 73.7 |
| | | 150 | 58.2 | 61.2 | 63.1 | 65.1 | 67.1 | 68.9 | 69.9 | 71.4 | 74.6 |
| | | 200 | 61.3 | 64.3 | 66.2 | 67.3 | 68.6 | 69.8 | 71.1 | 74.5 | 78.4 |
| | | 250 | 59.2 | 64.2 | 66.2 | 67.0 | 68.5 | 70.3 | 71.5 | 73.0 | 77.8 |
| | | 315 | 59.2 | 63.0 | 64.8 | 66.4 | 68.4 | 70.2 | 71.9 | 75.3 | 77.9 |
| | | 400 | 59.3 | 62.5 | 64.7 | 65.9 | 68.2 | 69.2 | 71.2 | 72.4 | 76.8 |
| | | 500 | 59.9 | 62.4 | 64.5 | 66.1 | 67.5 | 69.0 | 71.0 | 72.1 | 74.5 |
| | | 630 | 62.2 | 64.1 | 64.7 | 65.9 | 68.0 | 68.3 | 69.8 | 71.4 | 74.0 |
| | | 800 | 60.9 | 63.4 | 65.9 | 66.4 | 66.8 | 67.8 | 68.8 | 70.9 | 72.2 |
| | | 1000 | 58.7 | 61.4 | 64.0 | 66.1 | 67.0 | 67.5 | 68.5 | 69.6 | 70.8 |
| | | 1250 | 56.7 | 59.4 | 61.7 | 63.6 | 66.3 | 67.9 | 68.5 | 68.1 | 69.7 |
| | | 1600 | 54.2 | 57.3 | 59.8 | 61.8 | 64.0 | 65.9 | 67.0 | 67.5 | 67.5 |
| | | 2000 | 50.1 | 55.0 | 57.3 | 59.7 | 62.7 | 63.1 | 64.5 | 64.7 | 65.3 |
| | | 2500 | 44.2 | 50.4 | 53.3 | 56.3 | 59.0 | 59.9 | 62.0 | 60.7 | 63.5 |
| | | 3150 | 37.7 | 44.3 | 47.8 | 52.1 | 55.0 | 55.7 | 58.0 | 55.9 | 56.3 |
| | | 4000 | 27.1 | 35.6 | 39.9 | 44.1 | 48.7 | 48.7 | 51.2 | 48.2 | 48.6 |
| | | 5000 | 20.8 | 30.3 | 34.8 | 39.1 | 43.0 | 43.4 | 44.5 | 43.7 | 43.4 |
| | | 6300 | 7.0 | 19.1 | 25.6 | 30.8 | 34.4 | 34.5 | 36.6 | 33.0 | 31.3 |
| | | 8000 | | 9.9 | 16.2 | 19.9 | | 20.5 | 21.4 | 17.2 | 13.9 |
| | | 10000 | | | | | 1.0 | 0.4 | | | |
| | | 12500 | | | | | | | | | |
| | | 16000 | | | | | | | | | |
| | | OVERALL CALCULATED | 70.6 | 73.9 | 75.8 | 77.1 | 78.9 | 80.3 | 81.5 | 82.6 | 85.0 |
| | | P.28 | 75.8 | 79.2 | 81.4 | 83.2 | 85.7 | 86.9 | 88.2 | 88.5 | 90.4 |
| | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **79/** ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

PRCC. DATE - MONTH 3 DAY 26 HR. 10.1
F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|-----|------------------|-----|-----------------|-----|-------------|------|------------------|------|---------------|------|------------------|------|-------------|------|-------------|------|---------------|------|----------------|------|--------------|------|----------------|------|--------------|------|-----------------|------|-----------------|------|-------------|------|-------|------|----------------|------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---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| RDG. NO. U. | | RADIAL (12. M) | | VEHICLE CELL 41 | | CONFIG NC54 | | LOC C41 ARECH CH | | DATE 06-10-76 | | RUN CONF7CONTSTA | | TAPE X07920 | | BAR 29.4 HG | | (90246. N/M2) | | TAM3 68. DEG F | | (293. DEG K) | | TWET 62. DEG F | | (290. DEG K) | | HACT12.29 GM/M3 | | (0.01229 KG/M3) | | FREQ. SHIFT | | JET 0 | | DIAMETER RATIO | | DF/DM 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. | 10010. | 10020. | 10030. | 10040. | 10050. | 10060. | 10070. | 10080. | 10090. | 10100. | 10110. | 10120. | 10130. | 10140. | 10150. | 10160. | 10170. | 10180. | 10190. | 10200. | 10210. | 10220. | 10230. | 10240. | 10250. | 10260. | 10270. | 10280. | 10290. | 10300. | 10310. | 10320. | 10330. | 10340. | 10350. | 10360. | 10370. | 10380. | 10390. | 10400. | 10410. | 10420. | 10430. | 10440. | 10450. | 10460. | 10470. | 10480. | 10490. | 10500. | 10510. | 10520. | 10530. | 10540. | 10550. | 10560. | 10570. | 10580. | 10590. | 10600. | 10610. | 10620. | 10630. | 10640. | 10650. | 10660. | 10670. | 10680. | 10690. | 10700. | 10710. | 10720. | 10730. | 10740. | 10750. | 10760. | 10770. | 10780. | 10790. | 10800. | 10810. | 10820. | 10830. | 10840. | 10850. | 10860. | 10870. | 10880. | 10890. | 10900. | 10910. | 10920. | 10930. | 10940. | 10950. | 10960. | 10970. | 10980. | 10990. | 11000. | 11010. | 11020. | 11030. | 11040. | 11050. | 11060. | 11070. | 11080. | 11090. | 11100. | 11110. | 11120. | 11130. | 11140. | 11150. | 11160. | 11170. | 11180. | 11190. | 11200. | 11210. | 11220. | 11230. | 11240. | 11250. | 11260. | 11270. | 11280. | 11290. | 11300. | 11310. | 11320. | 11330. | 11340. | 11350. | 11360. | 11370. | 11380. | 11390. | 11400. | 11410. | 11420. | 11430. | 11440. | 11450. | 11460. | 11470. | 11480. | 11490. | 11500. | 11510. | 11520. | 11530. | 11540. | 11550. | 11560. | 11570. | 11580. | 11590. | 11600. | 11610. | 11620. | 11630. | 11640. | 11650. | 11660. | 11670. | 11680. | 11690. | 11700. | 11710. | 11720. | 11730. | 11740. | 11750. | 11760. | 11770. | 11780. | 11790. | 11800. | 11810. | 11820. | 11830. | 11840. | 11850. | 11860. | 11870. | 11880. | 11890. | 11900. | 11910. | 11920. | 11930. | 11940. | 11950. | 11960. | 11970. | 11980. | 11990. | 12000. | 12010. | 12020. | 12030. | 12040. | 12050. | 12060. | 12070. | 12080. | 12090. | 12100. | 12110. | 12120. | 12130. | 12140. | 12150. | 12160. | 12170. | 12180. | 12190. | 12200. | 12210. | 12220. | 12230. | 12240. | 12250. | 12260. | 12270. | 12280. | 12290. | 12300. | 12310. | 12320. | 12330. | 12340. | 12350. | 12360. | 12370. | 12380. | 12390. | 12400. | 12410. | 12420. | 12430. | 12440. | 12450. | 12460. | 12470. | 12480. | 12490. | 12500. | 12510. | 12520. | 12530. | 12540. | 12550. | 12560. | 12570. | 12580. | 12590. | 12600. | 12610. | 12620. | 12630. | 12640. | 12650. | 12660. | 12670. | 12680. | 12690. | 12700. | 12710. | 12720. | 12730. | 12740. | 12750. | 12760. | 12770. | 12780. | 12790. | 12800. | 12810. | 12820. | 12830. | 12840. | 12850. | 12860. | 12870. | 12880. | 12890. | 12900. | 12910. | 12920. | 12930. | 12940. | 12950. | 12960. | 12970. | 12980. | 12990. | 13000. | 13010. | 13020. | 13030. | 13040. | 13050. | 13060. | 13070. | 13080. | 13090. | 13100. | 13110. | 13120. | 13130. | 13140. | 13150. | 13160. | 13170. | 13180. | 13190. | 13200. | 1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 702 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 7 | 700 | 12.2m(40ft.) ARC |

SIZE

MODEL-154cm²(23.9in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.4
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | PWL |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) |
| 53 | 81.1 | 85.4 | 86.9 | 86.5 | 87.6 | 89.2 | 91.6 | 92.5 | 94.9 | 102.5 | 108.9 |
| 63 | 83.2 | 87.8 | 86.7 | 88.3 | 90.7 | 91.8 | 92.7 | 93.8 | 96.8 | 103.1 | 109.0 |
| 80 | 85.3 | 87.0 | 88.1 | 88.8 | 90.4 | 91.3 | 92.9 | 94.8 | 99.1 | 105.6 | 111.8 |
| 100 | 85.6 | 87.4 | 88.6 | 89.2 | 90.8 | 93.1 | 94.5 | 95.4 | 99.4 | 107.4 | 113.2 |
| 125 | 86.5 | 88.5 | 89.0 | 91.8 | 92.1 | 93.7 | 95.6 | 96.8 | 100.7 | 108.1 | 114.3 |
| 160 | 89.2 | 89.7 | 90.8 | 92.0 | 93.6 | 95.2 | 96.9 | 98.0 | 102.3 | 108.6 | 115.3 |
| 200 | 92.8 | 94.1 | 94.8 | 94.1 | 95.5 | 96.6 | 98.2 | 99.1 | 102.8 | 108.7 | 115.8 |
| 250 | 90.6 | 93.4 | 94.7 | 95.0 | 95.8 | 97.7 | 98.8 | 100.5 | 103.7 | 108.5 | 113.0 |
| 315 | 90.5 | 92.8 | 92.8 | 93.6 | 95.4 | 97.3 | 97.9 | 99.8 | 104.0 | 108.4 | 111.1 |
| 400 | 91.8 | 92.8 | 93.8 | 93.9 | 95.7 | 96.8 | 99.0 | 100.4 | 103.8 | 107.2 | 109.1 |
| 500 | 92.4 | 93.2 | 94.0 | 94.5 | 95.3 | 96.7 | 98.6 | 100.2 | 104.0 | 106.8 | 108.0 |
| 630 | 93.7 | 94.2 | 94.7 | 95.0 | 95.6 | 97.2 | 98.6 | 100.3 | 103.1 | 105.4 | 105.6 |
| 800 | 92.5 | 93.8 | 95.1 | 95.3 | 95.7 | 96.8 | 98.7 | 100.3 | 103.1 | 105.4 | 105.6 |
| 1000 | 91.9 | 93.4 | 94.2 | 95.0 | 96.3 | 96.9 | 98.3 | 100.2 | 102.5 | 103.8 | 104.0 |
| 1250 | 92.3 | 92.9 | 94.2 | 94.2 | 96.2 | 97.9 | 99.5 | 99.9 | 102.6 | 103.0 | 103.2 |
| 1600 | 91.2 | 92.8 | 92.9 | 94.4 | 96.2 | 97.1 | 99.5 | 99.6 | 102.1 | 102.8 | 101.9 |
| 2000 | 89.9 | 92.5 | 92.6 | 94.3 | 96.1 | 96.5 | 98.4 | 98.6 | 101.8 | 101.5 | 100.7 |
| 2500 | 87.9 | 90.1 | 91.0 | 92.0 | 94.5 | 95.5 | 97.5 | 97.9 | 100.3 | 100.0 | 98.8 |
| 3150 | 87.0 | 89.0 | 89.7 | 91.9 | 94.2 | 94.3 | 97.2 | 96.7 | 99.7 | 98.8 | 98.4 |
| 4000 | 85.0 | 87.0 | 88.4 | 89.8 | 92.8 | 92.4 | 96.3 | 94.6 | 97.4 | 95.0 | 94.3 |
| 5000 | 83.9 | 86.4 | 86.6 | 88.6 | 90.6 | 90.8 | 91.6 | 93.0 | 96.1 | 92.5 | 93.6 |
| 6300 | 83.5 | 86.7 | 87.9 | 89.3 | 90.8 | 90.5 | 91.9 | 91.6 | 93.9 | 90.5 | 90.9 |
| 8000 | 82.1 | 85.2 | 87.9 | 88.9 | 89.4 | 89.5 | 90.9 | 89.4 | 91.4 | 89.1 | 88.4 |
| 10000 | 79.8 | 83.0 | 86.8 | 87.3 | 87.1 | 88.2 | 88.2 | 86.5 | 89.1 | 85.7 | 85.5 |
| 12500 | 78.8 | 82.6 | 86.6 | 86.0 | 85.7 | 86.9 | 87.5 | 86.8 | 89.1 | 84.0 | 83.8 |
| 16000 | 81.3 | 84.7 | 90.5 | 87.6 | 86.7 | 87.3 | 88.7 | 85.0 | 91.0 | 86.1 | 84.9 |
| OVERALL CALCULATED | 103.4 | 105.0 | 105.9 | 106.5 | 107.9 | 109.0 | 110.8 | 111.8 | 115.0 | 118.8 | 123.0 |
| PND8 | 113.7 | 115.8 | 116.6 | 117.8 | 119.6 | 120.4 | 122.4 | 122.7 | 125.7 | 126.7 | 128.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 792 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 42. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| | | (0.77) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) |
| | | 50 | 53.3 | 58.8 | 61.4 | 61.7 | 63.2 | 64.9 | 67.2 | 69.4 | 73.9 |
| | | 63 | 55.6 | 61.1 | 60.5 | 63.5 | 66.2 | 67.5 | 68.2 | 69.0 | 71.2 |
| | | 80 | 56.9 | 60.3 | 63.4 | 63.9 | 66.0 | 67.0 | 68.5 | 69.9 | 73.4 |
| | | 100 | 57.2 | 60.6 | 62.9 | 64.2 | 66.2 | 68.7 | 70.0 | 70.5 | 73.7 |
| | | 125 | 57.9 | 61.5 | 63.2 | 65.7 | 67.5 | 69.2 | 71.2 | 71.7 | 74.9 |
| | | 160 | 60.5 | 62.7 | 64.3 | 66.9 | 68.9 | 70.6 | 72.1 | 72.9 | 76.3 |
| | | 200 | 63.8 | 66.8 | 68.7 | 68.8 | 70.6 | 71.8 | 73.3 | 73.8 | 76.7 |
| | | 250 | 61.4 | 65.9 | 68.4 | 69.5 | 70.8 | 72.8 | 73.8 | 75.0 | 77.4 |
| | | 315 | 60.9 | 65.0 | 65.3 | 67.9 | 70.2 | 72.2 | 72.7 | 74.1 | 77.5 |
| | | 400 | 61.8 | 64.7 | 67.0 | 67.9 | 70.2 | 71.4 | 73.4 | 74.4 | 79.1 |
| | | 500 | 61.9 | 64.6 | 66.7 | 68.1 | 69.5 | 71.0 | 73.0 | 73.9 | 76.7 |
| | | 630 | 62.5 | 65.1 | 67.0 | 68.2 | 69.3 | 71.1 | 72.3 | 73.4 | 76.2 |
| | | 800 | 60.4 | 63.9 | 66.7 | 67.9 | 68.8 | 70.1 | 71.8 | 72.9 | 74.7 |
| | | 1000 | 58.7 | 62.6 | 65.0 | 66.8 | 68.7 | 69.5 | 70.7 | 72.1 | 73.3 |
| | | 1250 | 57.7 | 60.9 | 63.2 | 65.1 | 67.8 | 69.6 | 71.0 | 70.8 | 72.5 |
| | | 1600 | 54.7 | 59.3 | 61.3 | 64.0 | 66.5 | 67.6 | 69.8 | 69.3 | 70.5 |
| | | 2000 | 51.1 | 57.0 | 59.3 | 62.4 | 65.0 | 65.6 | 67.2 | 67.7 | 68.5 |
| | | 2500 | 45.7 | 51.9 | 55.3 | 57.8 | 61.2 | 62.6 | 64.2 | 63.7 | 64.5 |
| | | 3150 | 39.5 | 46.3 | 50.1 | 54.1 | 57.5 | 57.9 | 60.5 | 58.9 | 60.1 |
| | | 4000 | 29.3 | 37.6 | 42.3 | 46.6 | 50.9 | 50.9 | 54.4 | 51.4 | 51.9 |
| | | 5000 | 23.6 | 33.1 | 37.6 | 42.3 | 45.7 | 46.4 | 46.7 | 46.7 | 47.1 |
| | | 6300 | 9.5 | 21.9 | 28.8 | 33.7 | 37.1 | 37.5 | 38.3 | 36.0 | 34.8 |
| | | 8000 | 2.9 | 13.4 | 19.2 | 22.3 | 23.2 | 23.8 | 19.6 | 15.9 | 6.7 |
| | | 10000 | | | | 1.2 | 3.5 | 2.3 | | | |
| | | 12500 | | | | | | | | | |
| | | 16000 | | | | | | | | | |
| | | OVERALL CALCULATED | 72.1 | 75.5 | 77.5 | 79.0 | 80.8 | 82.3 | 83.8 | 84.6 | 87.2 |
| | | 7000 | 76.9 | 80.7 | 83.1 | 85.4 | 87.8 | 89.0 | 90.8 | 91.0 | 93.0 |

NO EGA
SIDELINE 2400. FT.
(731.52 M)

NFA (1. RPM
C. RAD/SEC)

NFA (1. RPM
C. RAD/SEC)

NFD 7500. RPM
(785. RAD/SEC)

AIRFLOW RATIO
WF/WM 4.63

VEHICLE CELL41
CONFIG NC54

LQC C41 ANECH CH
DATE 66-10-76

RUN CONFCONTSTA
TAPE X07920

FAN TIP SPEED
FT/SEC

OVERALL CALCULATED

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 792 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.4
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENGTIS)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FREQ. (C. 70) (C. 87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (C.) (C.) (C.) | 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | PND |
| NO EGA | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| RDG. NO. C. | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| RADIAL 150. FT. | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| VEHICLE CELL 41 | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| CONFIC NC54 | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| LOC C41 ANECH CH | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| DATE 06-10-76 | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| RUN CONTCNTSTA | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| TAPE X07930 | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| BAR 29.4 HG | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| (99246. N/M2) | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| TAMB 68. DEG F | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| (293. DEG K) | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| TWET 62. DEG F | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| (290. DEG K) | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| HACT12.32 GM/M3 | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| (.01232 KG/M3) | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| FREQ. SHIFT | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| JET 7 | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| DIAMETER RATIO | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| DF/DM 4.63 | 33.4 | 35.2 | 37.4 | 39.3 | 41.2 | 43.1 | 45.0 | 46.9 | 48.8 | 50.7 | 52.6 | 54.5 | 56.4 | 58.3 | 60.2 | 62.1 | 64.0 |
| OVERALL CALCULATED | 107.9 | 109.2 | 109.9 | 110.4 | 111.7 | 112.6 | 114.2 | 115.3 | 118.9 | 122.1 | 127.6 | 129.2 | 128.0 | 126.6 | 129.9 | 130.8 | 135.3 |
| PND | 117.7 | 119.9 | 120.5 | 122.0 | 123.5 | 124.3 | 126.2 | 126.6 | 129.9 | 130.8 | 135.3 | 136.2 | 135.1 | 133.7 | 137.4 | 137.4 | 136.8 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 793 ACOUSTIC RANGE 45.7m(150ft.) ARC FULL-33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | |
|---|--------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | |
| | | | | | | | | | | | | | | | |
| NO EGA | | 50 | 55.2 | 60.8 | 63.4 | 64.2 | 65.9 | 67.2 | 69.9 | 70.4 | 71.9 | 75.9 | 81.8 | 81.7 | 79.3 |
| SIDELINE 2400. FT. | | 63 | 57.0 | 63.6 | 63.2 | 65.2 | 68.0 | 69.7 | 70.7 | 71.5 | 74.2 | 78.7 | 83.6 | 84.5 | 81.5 |
| (731.52 M) | | 80 | 59.4 | 62.6 | 65.4 | 65.9 | 68.0 | 69.7 | 70.5 | 72.2 | 75.4 | 81.6 | 86.2 | 85.9 | 82.1 |
| NFA | | 100 | 59.7 | 62.6 | 65.2 | 66.5 | 68.7 | 70.5 | 71.7 | 72.7 | 75.2 | 83.1 | 87.7 | 87.3 | 82.5 |
| (1. RPM | | 125 | 60.9 | 64.3 | 67.5 | 69.7 | 71.6 | 72.4 | 74.1 | 75.4 | 77.9 | 83.9 | 88.4 | 87.5 | 82.8 |
| (0. RAD/SEC) | | 160 | 63.2 | 65.4 | 67.3 | 69.4 | 71.6 | 72.7 | 74.1 | 75.4 | 79.3 | 84.7 | 89.5 | 88.8 | 83.3 |
| NFK | | 200 | 66.6 | 69.1 | 71.0 | 72.1 | 73.1 | 73.8 | 75.3 | 76.3 | 79.5 | 83.9 | 88.7 | 87.4 | 83.5 |
| (0. RAD/SEC) | | 250 | 64.2 | 68.4 | 71.2 | 72.0 | 73.5 | 75.0 | 76.0 | 77.2 | 80.4 | 84.0 | 88.0 | 87.9 | 82.3 |
| NFD | | 315 | 64.7 | 67.8 | 69.3 | 70.6 | 72.7 | 74.4 | 75.2 | 76.9 | 81.0 | 83.4 | 86.5 | 87.3 | 81.8 |
| (7500. RPM | | 400 | 67.3 | 69.2 | 71.2 | 71.4 | 73.2 | 74.2 | 75.9 | 77.6 | 80.5 | 82.8 | 85.1 | 85.3 | 78.7 |
| (785. RAD/SEC) | | 500 | 69.1 | 71.4 | 72.5 | 72.1 | 72.7 | 74.2 | 76.2 | 77.4 | 80.7 | 81.7 | 84.7 | 83.5 | 74.3 |
| AIRFLOW RATIO | | 630 | 68.2 | 71.3 | 73.5 | 73.9 | 74.3 | 74.1 | 75.3 | 77.2 | 80.2 | 81.2 | 84.1 | 81.3 | 72.5 |
| WF/W 4.63 | | 800 | 65.4 | 68.6 | 71.7 | 73.2 | 74.5 | 74.6 | 74.8 | 76.7 | 78.7 | 79.8 | 82.0 | 78.2 | 68.9 |
| VEHICLE | CELL 41 | 1000 | 63.2 | 66.9 | 69.3 | 70.8 | 73.0 | 74.3 | 74.5 | 76.1 | 77.5 | 78.0 | 80.1 | 75.2 | 66.4 |
| CONFIG | NC54 | 1250 | 61.5 | 65.9 | 67.7 | 69.6 | 72.0 | 74.1 | 75.3 | 75.1 | 77.0 | 75.6 | 77.4 | 73.1 | 63.8 |
| LOC | C41 ANECH CH | 1600 | 58.7 | 63.5 | 65.3 | 68.3 | 70.5 | 72.1 | 74.0 | 73.8 | 75.3 | 74.0 | 74.7 | 69.1 | 59.5 |
| DATE | 06-10-76 | 2000 | 55.6 | 61.0 | 63.3 | 66.4 | 69.2 | 69.3 | 71.2 | 71.9 | 73.3 | 71.0 | 71.1 | 65.8 | 54.5 |
| RUN | CONF/CONTSTA | 2500 | 50.0 | 56.6 | 59.3 | 63.1 | 65.5 | 66.1 | 69.0 | 67.7 | 69.0 | 66.2 | 65.7 | 59.6 | 46.7 |
| TAPE | X07930 | 3150 | 43.5 | 50.8 | 54.6 | 59.1 | 61.7 | 62.6 | 64.7 | 63.2 | 64.3 | 60.3 | 59.6 | 51.8 | 35.8 |
| FAN TIP SPEED | | 4000 | 32.8 | 42.1 | 47.1 | 51.1 | 55.9 | 56.2 | 58.2 | 57.1 | 57.1 | 50.8 | 47.0 | 38.0 | 18.7 |
| FT/SEC | | 5000 | 26.8 | 37.3 | 41.6 | 45.8 | 49.5 | 50.9 | 51.7 | 51.1 | 43.9 | 42.8 | 29.0 | 6.7 | |
| | | 6300 | 12.0 | 24.8 | 31.5 | 37.5 | 40.9 | 41.9 | 43.3 | 40.2 | 40.0 | 30.9 | 26.9 | 12.6 | |
| | | 8000 | | 5.1 | 15.5 | 21.6 | 25.1 | 27.4 | 28.3 | 23.6 | 22.1 | 12.7 | 4.9 | | |
| | | 10000 | | | | | | 7.4 | 6.1 | 0.5 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **793** ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

| PROC. DATE - MONTH 8 DAY 25 HR. 21.4 | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| RDG. NO. | 55 | 63 | 80 | 89.3 | 90.8 | 92.5 | 92.9 | 94.2 | 95.5 | 96.7 | 97.6 | 99.1 | 101.3 |
| RADIAL 150. FT. | 84.9 | 88.7 | 90.7 | 91.0 | 92.1 | 93.4 | 95.6 | 96.7 | 99.2 | 104.7 | 111.4 | 113.9 | 115.2 |
| (45. M) | 87.0 | 92.0 | 90.0 | 92.3 | 94.7 | 95.8 | 96.9 | 97.6 | 101.3 | 107.6 | 113.5 | 117.0 | 117.3 |
| VEHICLE | 89.3 | 90.8 | 92.5 | 92.9 | 94.2 | 95.5 | 96.7 | 99.1 | 102.8 | 110.1 | 116.6 | 118.3 | 117.5 |
| CONFIG | 89.9 | 90.9 | 92.4 | 92.9 | 94.2 | 95.6 | 98.0 | 99.4 | 104.1 | 112.2 | 117.9 | 119.6 | 118.1 |
| LOC C41 ANECH CH | 91.5 | 92.7 | 93.2 | 94.8 | 95.9 | 97.5 | 99.6 | 100.8 | 106.0 | 112.8 | 119.0 | 120.4 | 118.7 |
| DATE 06-10-76 | 93.2 | 94.2 | 95.0 | 96.0 | 97.4 | 98.7 | 100.4 | 102.8 | 107.5 | 113.6 | 119.3 | 121.0 | 119.5 |
| RUN CONF70NSTA | 96.8 | 98.1 | 98.8 | 98.6 | 99.2 | 100.1 | 101.2 | 103.9 | 108.1 | 113.2 | 118.9 | 120.5 | 119.8 |
| TAPE X07940 | 95.9 | 98.2 | 99.7 | 99.0 | 100.3 | 101.7 | 102.1 | 104.5 | 108.7 | 113.5 | 119.0 | 121.9 | 119.3 |
| BAR 29.4 HG | 97.7 | 98.8 | 98.0 | 98.8 | 99.4 | 101.8 | 102.9 | 104.3 | 109.3 | 113.4 | 118.6 | 121.2 | 119.7 |
| (99246. N/M2) | 100.3 | 100.1 | 100.6 | 99.4 | 100.2 | 101.3 | 103.5 | 105.4 | 109.8 | 113.9 | 119.1 | 120.5 | 115.8 |
| TANG 67. DEG F | 100.4 | 101.5 | 102.0 | 101.2 | 101.6 | 101.7 | 104.3 | 106.0 | 110.0 | 113.3 | 119.0 | 118.7 | 113.7 |
| (292. DEG K) | 100.4 | 101.5 | 102.2 | 102.0 | 103.3 | 103.0 | 103.6 | 106.3 | 110.5 | 113.6 | 118.8 | 117.2 | 112.5 |
| 52. DEG F | 99.0 | 99.8 | 101.3 | 100.6 | 101.9 | 103.5 | 104.2 | 106.6 | 109.8 | 113.4 | 116.3 | 115.3 | 110.3 |
| (290. DEG K) | 97.4 | 99.4 | 100.0 | 101.2 | 101.8 | 103.2 | 105.1 | 106.5 | 109.7 | 112.6 | 115.5 | 114.1 | 110.4 |
| MACT12.79 GM/M3 | 96.5 | 98.8 | 100.4 | 100.9 | 102.2 | 104.1 | 106.0 | 106.6 | 109.9 | 112.2 | 113.9 | 113.3 | 109.6 |
| (.01279 KG/M3) | 96.7 | 98.6 | 99.6 | 101.6 | 102.9 | 103.6 | 105.7 | 107.1 | 109.6 | 112.0 | 113.2 | 112.3 | 108.6 |
| FREQ. SHIFT | 95.4 | 99.2 | 99.3 | 100.3 | 103.1 | 103.5 | 105.4 | 106.3 | 109.3 | 111.0 | 111.9 | 112.0 | 108.7 |
| JET | 94.1 | 98.3 | 98.7 | 99.9 | 101.0 | 102.8 | 104.7 | 104.3 | 107.7 | 108.9 | 109.8 | 110.1 | 106.6 |
| DIAMETER RATIO | 93.0 | 97.2 | 97.9 | 100.4 | 101.1 | 101.7 | 104.1 | 103.4 | 106.9 | 107.7 | 108.8 | 109.8 | 106.2 |
| DF/DM 4.63 | 90.4 | 95.0 | 96.3 | 98.5 | 101.0 | 100.1 | 103.2 | 101.8 | 104.9 | 104.6 | 105.8 | 106.4 | 105.1 |
| OVERALL CALCULATED | 38.8 | 93.6 | 94.2 | 96.8 | 98.7 | 99.0 | 99.7 | 100.6 | 103.5 | 102.6 | 105.4 | 103.3 | 102.1 |
| | 87.2 | 92.7 | 94.2 | 97.1 | 98.9 | 98.3 | 100.0 | 99.4 | 102.2 | 101.8 | 103.8 | 105.4 | 101.6 |
| | 84.4 | 89.7 | 93.1 | 95.7 | 96.2 | 96.2 | 98.2 | 97.1 | 102.4 | 101.8 | 103.3 | 103.5 | 99.0 |
| | 80.0 | 86.5 | 90.0 | 93.2 | 92.3 | 93.2 | 93.9 | 92.9 | 97.2 | 99.8 | 103.6 | 99.9 | 96.9 |
| | 80.0 | 86.5 | 90.0 | 93.2 | 92.3 | 93.2 | 93.9 | 92.9 | 97.2 | 99.8 | 103.6 | 99.9 | 96.9 |
| | 78.5 | 83.7 | 88.6 | 92.6 | 91.6 | 91.2 | 91.5 | 91.1 | 95.4 | 100.3 | 103.8 | 98.8 | 96.3 |
| | 16000 | 80.6 | 85.2 | 91.1 | 95.8 | 93.7 | 94.3 | 95.7 | 89.9 | 96.6 | 104.7 | 101.6 | 96.1 |
| | 12500 | 111.2 | 112.0 | 112.7 | 113.9 | 114.7 | 116.4 | 117.6 | 121.3 | 125.1 | 129.8 | 131.0 | 129.0 |
| | 109.3 | 119.3 | 122.6 | 123.4 | 125.0 | 126.1 | 126.8 | 128.7 | 129.0 | 132.6 | 134.7 | 137.5 | 138.2 |
| | 119.3 | 122.6 | 123.4 | 125.0 | 126.1 | 126.8 | 128.7 | 129.0 | 132.6 | 134.7 | 137.5 | 138.2 | 135.0 |

PROC. DATE - MONTH 8 DAY 25 HR. 21.4
 70 PERCENT REL. HUM. DAY)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|----------------------------------|--|------|------|------|------|------|------|------|------|------|------|------|------|
| | | INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | | (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.37)(3.6) | | | | | | | | | | | | |
| 50 | NO EGA | 56.7 | 62.1 | 65.1 | 66.2 | 67.7 | 69.2 | 71.2 | 71.9 | 73.6 | 78.1 | 83.3 | 83.4 | 81.3 |
| 63 | | 58.7 | 65.4 | 64.5 | 67.5 | 70.2 | 71.5 | 72.5 | 72.7 | 75.7 | 80.9 | 85.3 | 86.5 | 83.2 |
| 80 | SIDELINE 2400. FT.
(731.52 M) | 60.9 | 64.1 | 66.9 | 67.7 | 69.7 | 71.2 | 72.2 | 74.2 | 77.2 | 83.4 | 88.2 | 87.6 | 83.4 |
| 100 | | 61.4 | 64.1 | 66.7 | 68.0 | 69.5 | 72.2 | 73.5 | 74.5 | 78.4 | 85.4 | 89.5 | 88.8 | 83.7 |
| 125 | HFA (1. RPM | 62.9 | 65.8 | 67.4 | 69.7 | 71.2 | 73.0 | 75.0 | 75.7 | 83.2 | 85.9 | 90.4 | 89.5 | 84.1 |
| 160 | | 64.5 | 67.2 | 69.1 | 70.9 | 72.6 | 74.1 | 75.6 | 77.6 | 81.6 | 86.5 | 90.5 | 89.8 | 84.5 |
| 200 | HFA (1. RPM | 67.8 | 70.8 | 72.7 | 73.3 | 74.3 | 75.3 | 76.3 | 78.6 | 82.0 | 85.9 | 89.9 | 89.1 | 84.5 |
| 250 | | 66.7 | 70.7 | 73.4 | 73.5 | 75.3 | 76.8 | 77.0 | 79.0 | 82.4 | 86.0 | 89.7 | 90.1 | 83.8 |
| 315 | NFD (C. RAD/SEC) | 68.2 | 71.0 | 73.1 | 73.1 | 74.2 | 76.7 | 77.7 | 78.6 | 82.8 | 85.6 | 89.0 | 89.0 | 82.8 |
| 400 | NFD (7500. RPM | 70.3 | 72.0 | 73.7 | 73.4 | 74.7 | 75.9 | 77.9 | 79.4 | 83.0 | 85.8 | 89.1 | 87.8 | 78.5 |
| 500 | (785. RAD/SEC) | 71.9 | 72.9 | 74.7 | 74.9 | 75.7 | 76.0 | 78.5 | 79.6 | 82.7 | 84.7 | 88.5 | 85.2 | 75.3 |
| 630 | AIRFLOW RATIO | 69.2 | 72.3 | 74.5 | 75.2 | 77.0 | 76.8 | 77.3 | 79.4 | 82.7 | 84.4 | 87.6 | 82.8 | 72.8 |
| 800 | WF/M 4.63 | 65.9 | 69.9 | 72.9 | 73.1 | 75.0 | 76.8 | 77.3 | 79.1 | 81.4 | 83.5 | 84.2 | 79.7 | 68.9 |
| 1000 | VEHICLE CELL41 | 64.2 | 68.6 | 70.3 | 73.1 | 74.2 | 75.8 | 77.5 | 78.3 | 80.5 | 81.8 | 82.3 | 77.2 | 66.9 |
| 1250 | CONFIG NC54 | 62.0 | 66.9 | 70.2 | 71.8 | 73.8 | 75.8 | 77.5 | 77.6 | 79.7 | 80.3 | 79.4 | 74.6 | 63.5 |
| 1600 | LOC C41 ANECH CH | 60.2 | 65.0 | 68.0 | 71.2 | 73.3 | 74.1 | 76.0 | 76.7 | 78.0 | 78.5 | 76.7 | 71.7 | 58.7 |
| 2000 | DATE 06-10-76 | 56.6 | 63.8 | 66.0 | 68.4 | 72.0 | 72.6 | 74.2 | 74.4 | 76.0 | 75.5 | 73.1 | 67.8 | 54.5 |
| 2500 | RUN CONF7CONTSTA | 51.9 | 60.1 | 63.0 | 65.8 | 67.7 | 69.8 | 71.6 | 70.2 | 72.0 | 70.7 | 67.7 | 61.6 | 45.9 |
| 3150 | TAPE X07940 | 45.4 | 54.5 | 58.3 | 62.6 | 64.4 | 65.3 | 67.4 | 65.6 | 67.3 | 65.0 | 61.3 | 54.2 | 35.3 |
| 4000 | FAN TIP SPEED | 34.8 | 45.5 | 50.7 | 55.3 | 59.1 | 58.6 | 61.3 | 58.6 | 59.3 | 55.2 | 50.1 | 40.4 | 18.6 |
| 5000 | FT/SEC | 28.5 | 40.2 | 45.2 | 50.4 | 53.8 | 54.5 | 54.8 | 54.3 | 54.5 | 49.3 | 45.1 | 31.1 | 6.6 |
| 6300 | | 13.1 | 27.9 | 35.1 | 41.6 | 45.2 | 45.3 | 46.4 | 43.8 | 43.1 | 37.0 | 29.7 | 15.4 | |
| 8000 | | 7.4 | 18.6 | 25.9 | 29.1 | 29.9 | 29.9 | 31.1 | 27.4 | 25.9 | 19.4 | 8.7 | | |
| 10000 | | | | | 3.8 | 6.4 | 8.4 | 8.0 | 3.5 | 1.2 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 794 ACUSTIC RANGE FULL-33m²(513in²)

SIZE

PROC. DATE - MONTH 8 DAY 26 HR. 10.1
 ANGLES FROM INLET IN DEGREES (AND RADIANS)
 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160.

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NO EGA | 0.70 | 0.87 | 1.05 | 1.22 | 1.40 | 1.57 | 1.75 | 1.92 | 2.09 | 2.27 | 2.44 | 2.62 | 2.79 | 0.0 |
| RDG. NO. | 50 | 63 | 80 | 103 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 |
| RADIAL (12. M) | 84.1 | 94.2 | 91.7 | 93.2 | 94.5 | 94.2 | 95.0 | 95.2 | 96.4 | 97.7 | 102.2 | 102.4 | 105.2 | 139.5 |
| VEHICLE CELL 41 | 83.1 | 87.6 | 89.4 | 91.4 | 93.5 | 95.1 | 95.2 | 95.7 | 96.6 | 97.4 | 98.9 | 103.9 | 105.3 | 140.6 |
| CONFIG NC54 | 35.5 | 87.0 | 88.0 | 90.1 | 90.4 | 92.0 | 93.9 | 94.8 | 95.8 | 96.8 | 97.8 | 103.1 | 107.3 | 141.6 |
| LOC C41 ANECH CH | 84.6 | 89.1 | 90.3 | 90.9 | 91.5 | 93.3 | 95.5 | 96.6 | 97.5 | 98.3 | 103.1 | 107.3 | 111.5 | 145.4 |
| DATE Q6-10-76 | 80.4 | 91.4 | 89.7 | 91.5 | 94.3 | 95.2 | 96.1 | 97.5 | 100.9 | 107.8 | 114.0 | 116.6 | 116.9 | 147.9 |
| RUN CONF7CONTSTA | 88.9 | 91.0 | 92.2 | 92.3 | 93.6 | 95.0 | 96.1 | 98.5 | 103.2 | 111.0 | 117.0 | 117.9 | 116.7 | 150.1 |
| TAPE X07950 | 89.3 | 90.8 | 92.5 | 93.1 | 94.4 | 96.0 | 97.7 | 99.8 | 104.3 | 112.4 | 118.1 | 119.8 | 117.8 | 151.7 |
| BAR 29.4 HG | 90.6 | 92.4 | 93.4 | 94.4 | 95.8 | 96.9 | 99.0 | 101.4 | 106.1 | 113.7 | 119.2 | 120.1 | 118.4 | 153.1 |
| (99246. N/M2) | 93.4 | 94.2 | 94.7 | 95.4 | 97.0 | 98.9 | 100.3 | 102.4 | 107.7 | 114.2 | 119.9 | 120.9 | 118.7 | 153.9 |
| TAMB 68. DEG F | 96.2 | 97.7 | 98.0 | 98.8 | 99.1 | 100.0 | 101.6 | 103.5 | 108.2 | 114.3 | 120.0 | 120.4 | 119.0 | 154.6 |
| (293. DEG K) | 98.0 | 99.6 | 100.3 | 99.6 | 99.7 | 101.3 | 103.0 | 104.6 | 109.3 | 114.4 | 120.6 | 121.8 | 118.3 | 154.7 |
| TWET 64. DEG F | 105.4 | 104.2 | 101.9 | 99.5 | 100.1 | 101.7 | 102.1 | 104.7 | 110.2 | 114.5 | 121.5 | 120.9 | 116.9 | 155.4 |
| (291. DEG K) | 106.4 | 106.5 | 106.2 | 104.0 | 102.1 | 101.5 | 103.9 | 105.5 | 109.7 | 114.8 | 120.8 | 118.7 | 113.7 | 154.6 |
| MACT13.72 GM/M3 | 105.0 | 106.8 | 107.3 | 107.6 | 106.5 | 103.6 | 104.0 | 106.1 | 111.1 | 115.2 | 119.6 | 116.0 | 112.3 | 154.0 |
| (.01372 KG/M3) | 103.7 | 105.3 | 105.8 | 106.1 | 107.7 | 107.3 | 105.2 | 106.8 | 110.8 | 115.7 | 118.1 | 115.3 | 111.0 | 153.5 |
| FREQ. SHIFT | 102.3 | 103.3 | 104.3 | 104.1 | 105.0 | 106.8 | 107.0 | 107.6 | 110.3 | 116.4 | 123.3 | 109.1 | 108.7 | 152.8 |
| JET | 101.1 | 102.9 | 103.7 | 104.3 | 104.6 | 105.7 | 107.1 | 108.5 | 110.5 | 114.6 | 115.5 | 112.9 | 108.7 | 152.0 |
| DIAMETER RATIO | 100.2 | 102.0 | 103.1 | 103.6 | 105.2 | 106.3 | 107.4 | 108.8 | 110.8 | 114.7 | 115.1 | 112.5 | 110.3 | 151.7 |
| DF/DM 1.00 | 99.7 | 100.8 | 102.1 | 102.9 | 104.7 | 105.6 | 107.2 | 108.4 | 110.4 | 113.5 | 114.4 | 111.3 | 109.6 | 151.0 |
| | 98.1 | 101.5 | 101.3 | 102.3 | 104.4 | 104.2 | 106.6 | 107.6 | 109.6 | 112.0 | 112.9 | 111.0 | 109.0 | 149.8 |
| | 95.8 | 99.0 | 100.1 | 101.4 | 102.7 | 103.0 | 104.9 | 105.8 | 107.9 | 110.1 | 111.2 | 109.3 | 107.8 | 149.4 |
| | 94.3 | 97.3 | 98.8 | 100.7 | 102.5 | 101.8 | 104.5 | 104.0 | 107.0 | 108.5 | 109.6 | 108.4 | 107.1 | 148.9 |
| | 91.5 | 94.6 | 96.4 | 97.6 | 101.3 | 99.9 | 102.3 | 101.1 | 103.9 | 105.2 | 104.8 | 112.3 | 101.4 | 147.2 |
| | 88.6 | 92.6 | 93.7 | 94.8 | 97.0 | 97.0 | 97.5 | 98.1 | 102.0 | 101.9 | 102.9 | 108.8 | 97.1 | 147.7 |
| | 86.3 | 90.1 | 92.0 | 93.7 | 95.0 | 94.5 | 96.4 | 96.3 | 98.5 | 99.9 | 100.1 | 108.3 | 95.0 | 145.8 |
| | 81.2 | 85.7 | 88.6 | 89.1 | 89.9 | 90.5 | 91.7 | 91.8 | 94.8 | 97.7 | 97.5 | 103.9 | 91.0 | 147.1 |
| | 75.7 | 79.8 | 83.5 | 83.8 | 84.0 | 85.0 | 85.0 | 85.0 | 88.5 | 92.2 | 95.4 | 97.4 | 84.0 | 145.8 |
| | 70.6 | 73.8 | 77.6 | 77.1 | 77.5 | 76.8 | 79.0 | 83.9 | 88.4 | 91.0 | 91.0 | 91.0 | 78.5 | 147.0 |
| | 67.0 | 70.3 | 76.1 | 75.0 | 72.5 | 73.1 | 74.0 | 74.9 | 80.1 | 86.0 | 89.2 | 86.1 | 75.6 | 153.3 |
| OVERALL MEASURED | 113.4 | 114.5 | 114.9 | 115.0 | 115.8 | 116.1 | 117.2 | 118.4 | 121.7 | 126.4 | 130.7 | 130.6 | 128.3 | 166.6 |
| OVERALL CALCULATED | 126.0 | 127.6 | 128.0 | 128.2 | 129.0 | 129.2 | 129.6 | 130.8 | 134.2 | 139.3 | 142.6 | 141.1 | 138.2 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 795 ACOUSTIC RANGE 12.2m(40ft.) ARC

SIZE MODEL-154cm²(23.9in²)

PROC. DATE - MONTH 8 DAY 25 HR. 21.4
 DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. |
|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) | (3.14) | (3.31) | (3.49) | (3.66) | (3.84) | (4.01) | (4.19) | (4.37) | (4.54) | (4.72) | (4.89) | (5.07) | (5.25) | (5.42) | (5.60) | (5.77) | (5.95) | (6.12) | |
| NO EGA | 50 | 86.4 | 90.9 | 92.2 | 92.7 | 93.3 | 95.2 | 97.3 | 98.5 | 101.2 | 102.7 | 104.2 | 105.9 | 107.9 | 110.2 | 112.8 | 115.9 | 116.9 | | | | | | | | | | | | | | | | |
| RDG. NO. | 63 | 88.2 | 93.3 | 91.5 | 93.3 | 96.2 | 97.0 | 97.9 | 99.3 | 102.8 | 109.6 | 118.8 | 118.8 | | | | | | | | | | | | | | | | | | | | | |
| 0. | 80 | 90.8 | 92.8 | 94.1 | 94.1 | 95.4 | 96.8 | 97.9 | 99.5 | 100.3 | 105.1 | 112.9 | 118.8 | 118.5 | | | | | | | | | | | | | | | | | | | | |
| RADIAL 150. FT. | 102 | 91.1 | 92.6 | 94.4 | 94.9 | 96.3 | 97.9 | 99.5 | 101.7 | 105.1 | 114.2 | 119.9 | 121.6 | 119.6 | | | | | | | | | | | | | | | | | | | | |
| (46. M) | 125 | 92.5 | 94.2 | 95.2 | 96.3 | 97.6 | 98.7 | 100.9 | 103.3 | 108.0 | 115.6 | 121.9 | 120.5 | | | | | | | | | | | | | | | | | | | | | |
| VEHICLE | 160 | 95.2 | 96.0 | 96.5 | 97.3 | 98.9 | 100.7 | 102.1 | 104.3 | 109.5 | 116.1 | 121.8 | 123.7 | 120.5 | | | | | | | | | | | | | | | | | | | | |
| CELL41 | 200 | 98.5 | 99.6 | 99.8 | 100.6 | 101.0 | 101.8 | 103.5 | 105.4 | 110.3 | 116.2 | 121.9 | 122.3 | 120.8 | | | | | | | | | | | | | | | | | | | | |
| CONF16 | 250 | 99.9 | 101.4 | 102.2 | 101.5 | 101.6 | 103.2 | 104.8 | 106.5 | 111.2 | 116.3 | 121.5 | 123.6 | 120.2 | | | | | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | 315 | 107.2 | 106.0 | 103.8 | 101.3 | 101.9 | 103.5 | 103.9 | 106.6 | 112.0 | 116.4 | 123.3 | 122.7 | 118.8 | | | | | | | | | | | | | | | | | | | | |
| DATE 06-10-76 | 400 | 108.3 | 108.3 | 108.1 | 105.9 | 104.0 | 103.3 | 105.3 | 107.4 | 111.6 | 116.7 | 122.6 | 120.5 | 115.6 | | | | | | | | | | | | | | | | | | | | |
| RUN CONF7CONTSTA | 500 | 106.9 | 108.7 | 109.2 | 109.5 | 108.3 | 105.5 | 105.8 | 108.0 | 113.0 | 117.1 | 121.5 | 117.9 | 114.2 | | | | | | | | | | | | | | | | | | | | |
| TAPE X07950 | 630 | 105.7 | 107.2 | 107.7 | 108.0 | 109.6 | 109.2 | 107.1 | 103.8 | 112.7 | 117.6 | 120.0 | 117.2 | 113.0 | | | | | | | | | | | | | | | | | | | | |
| BAR 29.4 HG | 800 | 104.2 | 105.3 | 106.3 | 106.1 | 106.9 | 108.8 | 108.9 | 109.6 | 112.3 | 118.4 | 118.3 | 115.3 | 111.0 | | | | | | | | | | | | | | | | | | | | |
| (99246. N/M2) | 1000 | 103.1 | 104.9 | 105.7 | 106.2 | 106.6 | 107.7 | 109.1 | 110.5 | 112.5 | 118.6 | 117.5 | 114.9 | 110.7 | | | | | | | | | | | | | | | | | | | | |
| TAMB 68. DEG F | 1250 | 102.3 | 104.1 | 105.1 | 105.6 | 107.2 | 108.3 | 109.5 | 110.9 | 112.9 | 116.7 | 117.2 | 114.6 | 112.3 | | | | | | | | | | | | | | | | | | | | |
| (293. DEG K) | 1600 | 101.9 | 103.0 | 104.3 | 105.1 | 106.9 | 107.8 | 109.4 | 110.6 | 112.6 | 115.7 | 116.7 | 113.5 | 111.3 | | | | | | | | | | | | | | | | | | | | |
| TWET 64. DEG F | 2000 | 100.6 | 103.9 | 103.8 | 104.8 | 106.8 | 106.7 | 109.1 | 110.0 | 112.0 | 114.4 | 115.3 | 113.5 | 111.6 | | | | | | | | | | | | | | | | | | | | |
| (291. DEG K) | 2500 | 98.5 | 101.8 | 102.9 | 104.2 | 105.5 | 105.8 | 107.7 | 108.6 | 110.7 | 112.9 | 114.0 | 112.1 | 110.4 | | | | | | | | | | | | | | | | | | | | |
| HACT13.72 GM/M3 | 3150 | 97.7 | 100.7 | 102.1 | 104.0 | 105.8 | 105.2 | 107.8 | 107.3 | 110.4 | 111.9 | 113.0 | 111.7 | 110.4 | | | | | | | | | | | | | | | | | | | | |
| (.01372 KG/M3) | 4000 | 95.6 | 98.6 | 100.5 | 101.6 | 103.4 | 104.0 | 106.4 | 105.2 | 108.0 | 109.3 | 108.9 | 116.3 | 105.5 | | | | | | | | | | | | | | | | | | | | |
| FREQ. SHIFT | 5000 | 93.9 | 97.9 | 99.0 | 100.1 | 102.3 | 102.3 | 102.3 | 102.8 | 103.5 | 107.3 | 107.2 | 108.3 | 105.5 | | | | | | | | | | | | | | | | | | | | |
| JET 7 | 6300 | 93.2 | 97.0 | 99.0 | 100.7 | 101.9 | 101.4 | 103.3 | 103.2 | 105.5 | 106.8 | 107.0 | 115.2 | 101.9 | | | | | | | | | | | | | | | | | | | | |
| DIAMETER RATIO | 8000 | 90.4 | 95.0 | 97.8 | 98.4 | 99.2 | 99.7 | 100.9 | 101.1 | 104.1 | 106.9 | 106.8 | 113.2 | 100.2 | | | | | | | | | | | | | | | | | | | | |
| DF/DM 4.63 | 10000 | 88.0 | 92.1 | 95.8 | 96.1 | 95.2 | 96.1 | 96.3 | 97.3 | 100.8 | 104.6 | 107.7 | 109.7 | 96.3 | | | | | | | | | | | | | | | | | | | | |
| JET | 12500 | 87.4 | 90.5 | 95.1 | 94.3 | 93.9 | 94.3 | 93.9 | 94.3 | 93.6 | 96.4 | 100.6 | 107.8 | 95.3 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 16000 | 90.1 | 93.4 | 99.2 | 96.1 | 95.6 | 96.2 | 97.1 | 98.1 | 103.2 | 109.2 | 112.3 | 109.2 | 98.7 | | | | | | | | | | | | | | | | | | | | |
| PNOB | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |
| PNDR | 124.4 | 126.9 | 127.9 | 128.8 | 130.3 | 130.2 | 131.4 | 132.0 | 132.0 | 132.6 | 132.6 | 132.6 | 132.6 | 130.0 | | | | | | | | | | | | | | | | | | | | |

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------|-----------------|--------------------|-----------------------|----------------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | NO EGA
SIDELINE 2400. FT.
(731.52 M) | NFA
(1. RPM) | NFK
(1. RPM) | NFD
(7500. RPM) | NFE
(785. RAD/SEC) | AIRFLOW RATIO
WF/M 4.63 | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | REL. HUM. | | | | | | | | | |
| | | | | | | | 45. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | | 140. | 150. | | | | | | | |
| 50 | 58.2 | 64.3 | 66.6 | 67.9 | 68.9 | (1.42) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.13) | (3.30) | (3.47) | (3.64) | (3.81) | (3.98) | (4.15) | (4.32) | (4.49) | (4.66) | (4.83) |
| 63 | 60.0 | 66.0 | 68.5 | 71.7 | 72.7 | 73.5 | 74.5 | 77.2 | 82.9 | 87.6 | 88.0 | 84.7 | 85.4 | 83.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 80 | 62.4 | 66.1 | 68.4 | 69.2 | 71.0 | 72.5 | 73.5 | 75.4 | 79.4 | 86.1 | 90.5 | 89.1 | 84.4 | 84.4 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 100 | 62.7 | 65.8 | 68.7 | 70.0 | 71.7 | 73.5 | 75.0 | 76.7 | 80.4 | 87.4 | 91.5 | 90.3 | 87.4 | 87.4 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 125 | 63.9 | 67.3 | 69.4 | 71.2 | 73.8 | 74.2 | 76.2 | 78.2 | 82.2 | 88.6 | 92.4 | 91.3 | 88.6 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 160 | 66.5 | 68.9 | 70.6 | 72.1 | 74.1 | 76.1 | 77.4 | 79.1 | 83.6 | 89.0 | 93.0 | 91.5 | 88.6 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 200 | 69.1 | 72.3 | 73.7 | 75.3 | 76.5 | 78.3 | 79.8 | 81.0 | 84.9 | 88.8 | 93.2 | 91.9 | 88.6 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 250 | 70.7 | 73.9 | 75.9 | 76.0 | 76.5 | 78.3 | 79.8 | 81.0 | 84.9 | 88.8 | 93.2 | 91.9 | 88.6 | 88.6 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 315 | 77.7 | 78.3 | 77.3 | 75.6 | 76.7 | 78.4 | 78.7 | 80.9 | 85.5 | 88.6 | 93.8 | 90.5 | 82.3 | 82.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 400 | 78.3 | 80.2 | 81.2 | 79.9 | 78.4 | 77.9 | 80.2 | 81.4 | 86.7 | 88.6 | 92.6 | 87.8 | 78.2 | 78.2 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| 500 | 76.4 | 80.1 | 82.0 | 83.1 | 82.5 | 79.7 | 80.0 | 81.6 | 85.7 | 88.5 | 91.0 | 84.5 | 75.8 | 75.8 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 630 | 74.5 | 78.1 | 80.0 | 81.2 | 83.3 | 83.1 | 80.8 | 81.9 | 85.0 | 88.4 | 88.8 | 82.8 | 73.3 | 73.3 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 800 | 72.1 | 75.4 | 77.9 | 78.7 | 80.0 | 82.1 | 82.0 | 82.2 | 83.9 | 88.5 | 86.2 | 79.7 | 69.6 | 69.6 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 1000 | 69.9 | 74.1 | 76.5 | 78.1 | 79.0 | 80.3 | 81.5 | 82.3 | 83.3 | 85.8 | 84.3 | 78.0 | 67.2 | 67.2 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 1250 | 67.7 | 72.2 | 74.9 | 76.6 | 78.8 | 80.1 | 81.0 | 81.8 | 82.7 | 84.8 | 82.6 | 75.9 | 66.2 | 66.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 1600 | 65.5 | 69.5 | 72.8 | 74.7 | 77.2 | 78.3 | 79.7 | 80.2 | 81.0 | 82.2 | 80.2 | 72.3 | 62.0 | 62.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| 2000 | 61.8 | 68.5 | 70.5 | 72.9 | 75.7 | 75.8 | 77.9 | 78.1 | 78.7 | 79.0 | 76.5 | 69.2 | 57.2 | 57.2 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| 2500 | 56.4 | 63.6 | 67.2 | 70.0 | 72.2 | 72.8 | 74.4 | 74.4 | 74.9 | 74.6 | 71.9 | 63.5 | 49.9 | 49.9 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 3150 | 50.1 | 58.0 | 62.4 | 66.3 | 69.1 | 68.8 | 71.1 | 69.6 | 70.7 | 69.1 | 65.4 | 56.2 | 39.4 | 39.4 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| 4000 | 40.0 | 49.2 | 54.9 | 58.4 | 63.5 | 62.5 | 64.5 | 62.0 | 62.4 | 59.8 | 53.3 | 50.3 | 19.0 | 19.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| 5000 | 33.6 | 44.6 | 50.0 | 53.8 | 57.5 | 57.9 | 58.0 | 57.1 | 58.3 | 53.9 | 48.0 | 42.0 | 7.0 | 7.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| 6300 | 19.2 | 32.2 | 39.9 | 45.1 | 48.3 | 48.3 | 49.7 | 47.6 | 46.4 | 42.0 | 33.0 | 25.2 | | | | | | | | | | | | | | |
| 8000 | | 12.6 | 23.3 | 28.6 | 32.1 | 35.4 | 33.8 | 31.4 | 29.6 | 24.6 | 11.6 | | | | | | | | | | | | | | | |
| 10000 | | | | 6.7 | 9.3 | 11.3 | 10.4 | 7.8 | 6.5 | | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 84.3 | 87.0 | 88.6 | 89.3 | 90.3 | 90.8 | 91.4 | 92.5 | 95.4 | 99.5 | 102.7 | 100.4 | 94.4 | 94.4 | | | | | | | | | | | | |
| PHASE | 89.9 | 93.3 | 95.4 | 96.7 | 98.0 | 98.6 | 99.9 | 100.4 | 102.5 | 104.8 | 107.0 | 103.4 | 95.5 | 95.5 | | | | | | | | | | | | |

PROC. DATE - MONTH 8 DAY 26 HR. 10.1
F, 70 PERCENT REL. HUM. DAY - JENOTS)

MODEL SOUND PRESSURE LEVELS (99. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | PWL |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| FREQ. | (0.70) | (0.37) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |

NO ESA

00

40. FT.

(12.4)

CELLS

NC 54

41 AYEC H C

6-10-76

QNF7CONIST

X0798

9.4 HG

66. V/M2)

68. DEG F

93. DEG X)

63. DES. F

90. DEG K)

• 18 5M/MS

318 KG/M3 X

SHIFT

ER RATIO

OVERALL MEASURED

OVERALL CALCULATED

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|----------------|
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
| 4 | 4 | 4 |
| 5 | 5 | 5 |
| 6 | 6 | 6 |
| 7 | 7 | 7 |
| 8 | 8 | 8 |
| 9 | 9 | 9 |
| 10 | 10 | 10 |
| 11 | 11 | 11 |
| 12 | 12 | 12 |
| 13 | 13 | 13 |
| 14 | 14 | 14 |
| 15 | 15 | 15 |
| 16 | 16 | 16 |
| 17 | 17 | 17 |
| 18 | 18 | 18 |
| 19 | 19 | 19 |
| 20 | 20 | 20 |
| 21 | 21 | 21 |
| 22 | 22 | 22 |
| 23 | 23 | 23 |
| 24 | 24 | 24 |
| 25 | 25 | 25 |
| 26 | 26 | 26 |
| 27 | 27 | 27 |
| 28 | 28 | 28 |
| 29 | 29 | 29 |
| 30 | 30 | 30 |
| 31 | 31 | 31 |
| 32 | 32 | 32 |
| 33 | 33 | 33 |
| 34 | 34 | 34 |
| 35 | 35 | 35 |
| 36 | 36 | 36 |
| 37 | 37 | 37 |
| 38 | 38 | 38 |
| 39 | 39 | 39 |
| 40 | 40 | 40 |
| 41 | 41 | 41 |
| 42 | 42 | 42 |
| 43 | 43 | 43 |
| 44 | 44 | 44 |
| 45 | 45 | 45 |
| 46 | 46 | 46 |
| 47 | 47 | 47 |
| 48 | 48 | 48 |
| 49 | 49 | 49 |
| 50 | 50 | 50 |
| 51 | 51 | 51 |
| 52 | 52 | 52 |
| 53 | 53 | 53 |
| 54 | 54 | 54 |
| 55 | 55 | 55 |
| 56 | 56 | 56 |
| 57 | 57 | 57 |
| 58 | 58 | 58 |
| 59 | 59 | 59 |
| 60 | 60 | 60 |
| 61 | 61 | 61 |
| 62 | 62 | 62 |
| 63 | 63 | 63 |
| 64 | 64 | 64 |
| 65 | 65 | 65 |
| 66 | 66 | 66 |
| 67 | 67 | 67 |
| 68 | 68 | 68 |
| 69 | 69 | 69 |
| 70 | 70 | 70 |
| 71 | 71 | 71 |
| 72 | 72 | 72 |
| 73 | 73 | 73 |
| 74 | 74 | 74 |
| 75 | 75 | 75 |
| 76 | 76 | 76 |
| 77 | 77 | 77 |
| 78 | 78 | 78 |
| 79 | 79 | 79 |
| 80 | 80 | 80 |
| 81 | 81 | 81 |
| 82 | 82 | 82 |
| 83 | 83 | 83 |
| 84 | 84 | 84 |
| 85 | 85 | 85 |
| 86 | 86 | 86 |
| 87 | 87 | 87 |
| 88 | 88 | 88 |
| 89 | 89 | 89 |
| 90 | 90 | 90 |
| 91 | 91 | 91 |
| 92 | 92 | 92 |
| 93 | 93 | 93 |
| 94 | 94 | 94 |
| 95 | 95 | 95 |
| 96 | 96 | 96 |
| 97 | 97 | 97 |
| 98 | 98 | 98 |
| 99 | 99 | 99 |
| 100 | 100 | 100 |

12.2m(40ft.) ARC

SIZE
MODEL-154cm²(23.9in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH' 8 DAY 26 HR. 18.5
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| RDG. NO. | NO EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|--------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|-----|
| 50 | 85.6 | 89.4 | 91.4 | 91.0 | 92.3 | 93.9 | 96.3 | 98.5 | 99.2 | 102.7 | 110.4 | 113.9 | 115.9 | 119.2 | 159.2 | | | | |
| 63 | 87.7 | 92.5 | 90.3 | 93.3 | 95.9 | 96.5 | 96.9 | 98.8 | 101.0 | 105.6 | 112.8 | 116.5 | 117.8 | 121.5 | 161.5 | | | | |
| 80 | 89.8 | 92.3 | 93.6 | 93.3 | 94.7 | 95.8 | 96.9 | 99.8 | 102.1 | 108.4 | 115.3 | 118.0 | 118.3 | 121.9 | 162.9 | | | | |
| 100 | 90.6 | 91.6 | 92.9 | 93.9 | 94.8 | 96.6 | 98.0 | 100.4 | 103.1 | 110.0 | 116.4 | 119.3 | 118.9 | 122.6 | 164.0 | | | | |
| 125 | 92.0 | 93.5 | 94.0 | 95.0 | 96.1 | 97.7 | 99.4 | 101.5 | 105.3 | 110.6 | 116.0 | 119.4 | 119.2 | 123.0 | 164.2 | | | | |
| 160 | 94.0 | 94.5 | 95.3 | 96.3 | 98.1 | 99.0 | 100.4 | 103.0 | 106.5 | 112.1 | 115.8 | 119.5 | 119.5 | 123.3 | 164.4 | | | | |
| 200 | 99.1 | 98.8 | 99.3 | 100.1 | 103.0 | 100.3 | 101.7 | 103.9 | 106.8 | 112.4 | 115.9 | 119.5 | 119.5 | 123.3 | 164.3 | | | | |
| 250 | 104.4 | 101.7 | 101.4 | 100.2 | 99.6 | 101.4 | 102.6 | 105.2 | 107.9 | 113.0 | 115.2 | 118.6 | 119.4 | 123.3 | 164.5 | | | | |
| 315 | 107.8 | 107.0 | 105.8 | 104.8 | 101.9 | 102.0 | 102.2 | 104.8 | 108.6 | 112.9 | 115.8 | 119.5 | 119.3 | 123.3 | 165.2 | | | | |
| 400 | 107.3 | 107.8 | 108.6 | 107.9 | 107.7 | 104.6 | 103.7 | 105.9 | 108.6 | 112.9 | 115.6 | 119.6 | 119.3 | 123.3 | 165.6 | | | | |
| 500 | 105.4 | 107.0 | 107.7 | 108.8 | 108.9 | 108.0 | 105.6 | 105.8 | 109.7 | 112.1 | 115.3 | 119.4 | 117.5 | 123.3 | 165.3 | | | | |
| 630 | 104.4 | 105.5 | 106.3 | 106.5 | 107.6 | 108.5 | 108.4 | 107.8 | 110.8 | 112.6 | 116.5 | 118.7 | 116.0 | 123.3 | 165.2 | | | | |
| 800 | 102.8 | 104.3 | 105.6 | 105.6 | 105.4 | 106.3 | 107.4 | 109.1 | 110.1 | 112.2 | 115.6 | 116.0 | 113.1 | 123.3 | 163.9 | | | | |
| 1000 | 102.1 | 104.0 | 104.7 | 105.5 | 105.3 | 105.7 | 106.6 | 109.3 | 111.0 | 111.6 | 114.8 | 114.9 | 112.5 | 123.3 | 163.4 | | | | |
| 1250 | 101.6 | 103.6 | 104.9 | 105.2 | 106.3 | 106.9 | 107.0 | 108.2 | 111.4 | 111.5 | 114.0 | 113.6 | 111.6 | 123.3 | 163.1 | | | | |
| 1600 | 101.8 | 103.4 | 104.4 | 106.2 | 106.2 | 106.6 | 107.5 | 107.9 | 111.2 | 111.3 | 112.7 | 112.9 | 110.6 | 123.3 | 162.8 | | | | |
| 2000 | 100.2 | 103.3 | 104.1 | 105.6 | 106.9 | 106.3 | 106.9 | 108.1 | 110.4 | 110.0 | 111.2 | 112.0 | 110.3 | 123.3 | 162.2 | | | | |
| 2500 | 98.7 | 102.4 | 102.8 | 105.3 | 106.1 | 106.2 | 107.1 | 106.2 | 107.6 | 107.8 | 109.4 | 110.2 | 109.2 | 123.3 | 160.9 | | | | |
| 3150 | 97.6 | 101.6 | 102.3 | 103.0 | 106.0 | 106.1 | 107.0 | 105.8 | 107.6 | 106.1 | 108.4 | 109.4 | 108.4 | 123.3 | 160.6 | | | | |
| 4000 | 95.8 | 98.6 | 100.5 | 102.1 | 105.6 | 104.5 | 105.6 | 103.5 | 105.3 | 103.9 | 105.0 | 107.4 | 106.0 | 123.3 | 158.9 | | | | |
| 5000 | 94.5 | 97.5 | 98.5 | 100.3 | 102.7 | 102.7 | 102.7 | 102.6 | 104.3 | 101.7 | 104.5 | 103.3 | 104.1 | 123.3 | 157.1 | | | | |
| 6300 | 93.7 | 97.1 | 98.1 | 100.5 | 102.2 | 102.2 | 102.9 | 102.0 | 102.6 | 100.0 | 102.7 | 105.5 | 103.7 | 123.3 | 156.9 | | | | |
| 8000 | 91.3 | 95.0 | 98.2 | 99.2 | 99.8 | 99.8 | 101.0 | 99.7 | 101.3 | 99.5 | 103.7 | 104.5 | 103.0 | 123.3 | 156.9 | | | | |
| 10000 | 89.2 | 92.7 | 96.4 | 96.8 | 96.1 | 96.9 | 96.7 | 96.0 | 98.1 | 98.0 | 103.6 | 101.0 | 101.2 | 123.3 | 155.6 | | | | |
| 12500 | 88.7 | 91.9 | 97.0 | 96.0 | 95.0 | 95.4 | 94.5 | 94.0 | 97.0 | 97.3 | 102.0 | 101.0 | 99.9 | 123.3 | 156.4 | | | | |
| 16000 | 92.2 | 95.6 | 101.8 | 99.0 | 97.4 | 98.5 | 98.7 | 94.0 | 98.3 | 100.1 | 106.0 | 102.4 | 102.5 | 123.3 | 162.4 | | | | |
| OVERALL CALCULATED | 115.1 | 116.1 | 116.9 | 117.5 | 118.0 | 117.9 | 118.3 | 119.1 | 121.6 | 123.9 | 127.6 | 130.2 | 129.9 | 123.3 | 176.9 | | | | |
| PWDB | 124.3 | 126.9 | 127.8 | 129.4 | 130.3 | 130.3 | 131.0 | 130.8 | 133.0 | 133.7 | 136.3 | 137.9 | 137.1 | 133.7 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 797 ACUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 26 HR. 18.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)
ANGLES FROM INLET IN DEGREES (AND RADIAN)

| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | (0.) | (0.) | (0.) |
|-------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| FREQ. | | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| 50 | NO EGA | 57.5 | 62.8 | 65.9 | 66.2 | 67.9 | 69.7 | 71.9 | 73.7 | 73.7 | 76.1 | 82.3 | 83.4 | 82.0 | | | |
| 63 | SIDELINE 2400. FT. | 53 | 59.5 | 64.7 | 68.5 | 71.5 | 72.2 | 72.5 | 74.0 | 75.5 | 78.9 | 84.6 | 86.0 | 83.7 | | | |
| 80 | (731.52 M) | 61.4 | 65.6 | 67.9 | 68.4 | 70.2 | 71.5 | 72.5 | 74.9 | 76.4 | 81.6 | 87.0 | 87.4 | 84.1 | | | |
| 100 | 1. RPM | 62.2 | 64.8 | 67.2 | 69.0 | 70.2 | 72.2 | 73.5 | 75.5 | 77.4 | 83.1 | 88.0 | 88.6 | 84.5 | | | |
| 125 | (G. RAD/SEC) | 63.4 | 66.5 | 68.2 | 70.0 | 71.5 | 73.2 | 74.7 | 76.5 | 79.2 | 83.6 | 88.5 | 88.5 | 84.6 | | | |
| 160 | NFA | 65.2 | 67.4 | 69.3 | 71.1 | 73.4 | 74.4 | 75.6 | 77.9 | 80.6 | 85.0 | 87.0 | 88.3 | 84.5 | | | |
| 200 | (1. RPM) | 70.1 | 71.6 | 73.3 | 74.8 | 75.1 | 75.6 | 76.8 | 78.6 | 80.8 | 85.2 | 86.9 | 86.6 | 84.5 | | | |
| 253 | (G. RAD/SEC) | 73.2 | 74.2 | 75.2 | 74.7 | 74.5 | 76.5 | 77.7 | 79.7 | 81.7 | 85.5 | 86.0 | 86.9 | 83.6 | | | |
| 315 | NFD 7500. RPM | 78.2 | 79.3 | 79.3 | 79.1 | 76.7 | 76.9 | 76.9 | 79.1 | 82.0 | 85.1 | 86.3 | 87.3 | 83.3 | | | |
| 400 | (785. RAD/SEC) | 77.3 | 79.7 | 81.8 | 81.9 | 82.2 | 79.2 | 78.2 | 79.9 | 81.8 | 84.8 | 85.7 | 86.8 | 82.0 | | | |
| 500 | AIRFLOW RATIO | 74.9 | 78.4 | 80.5 | 82.4 | 83.0 | 82.3 | 79.7 | 79.4 | 82.5 | 83.5 | 84.8 | 86.0 | 79.1 | | | |
| 630 | WFAWM 4.63 | 73.2 | 76.3 | 78.5 | 79.7 | 81.3 | 82.3 | 82.1 | 81.0 | 83.0 | 83.5 | 85.3 | 84.3 | 76.3 | | | |
| 802 | VEHICLE | 70.6 | 74.4 | 77.2 | 78.2 | 77.8 | 79.6 | 80.6 | 81.7 | 81.7 | 80.8 | 83.5 | 80.5 | 71.6 | | | |
| 1000 | CELL41 | 69.0 | 73.2 | 75.6 | 77.4 | 77.8 | 78.6 | 78.6 | 79.1 | 81.3 | 79.6 | 79.4 | 78.0 | 69.0 | | | |
| 1250 | CONFIG | 67.0 | 71.7 | 74.8 | 76.1 | 77.8 | 77.8 | 77.8 | 77.6 | 77.6 | 77.8 | 77.8 | 77.8 | 65.5 | | | |
| 1600 | C41 ANECH CH | 65.3 | 69.8 | 72.8 | 75.8 | 76.6 | 77.1 | 77.8 | 77.6 | 77.6 | 77.8 | 77.8 | 77.8 | 60.8 | | | |
| 2000 | LOC 26-08-76 | 61.4 | 67.8 | 70.8 | 73.7 | 75.8 | 75.4 | 75.8 | 76.2 | 77.1 | 74.6 | 72.4 | 67.8 | 56.0 | | | |
| 2500 | RUN CONFTEMPDER | 56.5 | 64.2 | 67.1 | 71.1 | 72.8 | 73.2 | 73.8 | 72.0 | 71.8 | 69.5 | 67.3 | 61.7 | 48.5 | | | |
| 3150 | TAPE X0797D | 50.0 | 58.9 | 62.6 | 67.2 | 69.3 | 69.7 | 70.3 | 68.0 | 67.9 | 63.4 | 60.9 | 53.9 | 37.4 | | | |
| 4000 | FAN TIP SPEED | 40.2 | 49.2 | 54.9 | 58.9 | 63.8 | 63.0 | 63.8 | 60.3 | 59.7 | 54.4 | 49.3 | 41.3 | 19.5 | | | |
| 5000 | FT/SEC | 34.2 | 44.2 | 49.5 | 53.9 | 57.3 | 58.3 | 57.3 | 56.3 | 55.2 | 48.3 | 44.2 | 31.1 | 8.6 | | | |
| 6300 | | 19.6 | 32.3 | 39.0 | 44.9 | 48.6 | 49.1 | 49.2 | 46.4 | 43.5 | 35.2 | 28.6 | 15.6 | </ | | | |

| | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
| OVERALL CALCULATED | 84.1 | 86.4 | 88.2 | 89.3 | 90.0 | 90.1 | 91.0 | 92.8 | 95.1 | 97.4 | 97.9 | 94.0 |
| PND8 | 89.4 | 92.8 | 95.1 | 96.6 | 97.8 | 98.3 | 98.6 | 103.0 | 100.4 | 101.4 | 101.1 | 95.5 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 7 | 797 | 731.5m(2400ft.) | FULL - .33m ² (513in ²) |

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | |
| PROC. DATE - MONTH 8 DAY 26 HR. 18.5 | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.5)(3.7)(3.9)(4.0)(4.2)(4.4)(4.6)(4.8)(5.0)(5.2)(5.4)(5.6)(5.8)(6.0)(6.2)(6.4)(6.6)(6.8)(7.0)(7.2)(7.4)(7.6)(7.8)(8.0)(8.2)(8.4)(8.6)(8.8)(9.0)(9.2)(9.4)(9.6)(9.8)(10.0)(10.2)(10.4)(10.6)(10.8)(11.0)(11.2)(11.4)(11.6)(11.8)(12.0)(12.2)(12.4)(12.6)(12.8)(13.0)(13.2)(13.4)(13.6)(13.8)(14.0)(14.2)(14.4)(14.6)(14.8)(15.0)(15.2)(15.4)(15.6)(15.8)(16.0)(16.2)(16.4)(16.6)(16.8)(17.0)(17.2)(17.4)(17.6)(17.8)(18.0)(18.2)(18.4)(18.6)(18.8)(19.0)(19.2)(19.4)(19.6)(19.8)(20.0)(20.2)(20.4)(20.6)(20.8)(21.0)(21.2)(21.4)(21.6)(21.8)(22.0)(22.2)(22.4)(22.6)(22.8)(23.0)(23.2)(23.4)(23.6)(23.8)(24.0)(24.2)(24.4)(24.6)(24.8)(25.0)(25.2)(25.4)(25.6)(25.8)(26.0)(26.2)(26.4)(26.6)(26.8)(27.0)(27.2)(27.4)(27.6)(27.8)(28.0)(28.2)(28.4)(28.6)(28.8)(29.0)(29.2)(29.4)(29.6)(29.8)(30.0)(30.2)(30.4)(30.6)(30.8)(31.0)(31.2)(31.4)(31.6)(31.8)(32.0)(32.2)(32.4)(32.6)(32.8)(33.0)(33.2)(33.4)(33.6)(33.8)(34.0)(34.2)(34.4)(34.6)(34.8)(35.0)(35.2)(35.4)(35.6)(35.8)(36.0)(36.2)(36.4)(36.6)(36.8)(37.0)(37.2)(37.4)(37.6)(37.8)(38.0)(38.2)(38.4)(38.6)(38.8)(39.0)(39.2)(39.4)(39.6)(39.8)(40.0)(40.2)(40.4)(40.6)(40.8)(41.0)(41.2)(41.4)(41.6)(41.8)(42.0)(42.2)(42.4)(42.6)(42.8)(43.0)(43.2)(43.4)(43.6)(43.8)(44.0)(44.2)(44.4)(44.6)(44.8)(45.0)(45.2)(45.4)(45.6)(45.8)(46.0)(46.2)(46.4)(46.6)(46.8)(47.0)(47.2)(47.4)(47.6)(47.8)(48.0)(48.2)(48.4)(48.6)(48.8)(49.0)(49.2)(49.4)(49.6)(49.8)(50.0)(50.2)(50.4)(50.6)(50.8)(51.0)(51.2)(51.4)(51.6)(51.8)(52.0)(52.2)(52.4)(52.6)(52.8)(53.0)(53.2)(53.4)(53.6)(53.8)(54.0)(54.2)(54.4)(54.6)(54.8)(55.0)(55.2)(55.4)(55.6)(55.8)(56.0)(56.2)(56.4)(56.6)(56.8)(57.0)(57.2)(57.4)(57.6)(57.8)(58.0)(58.2)(58.4)(58.6)(58.8)(59.0)(59.2)(59.4)(59.6)(59.8)(60.0)(60.2)(60.4)(60.6)(60.8)(61.0)(61.2)(61.4)(61.6)(61.8)(62.0)(62.2)(62.4)(62.6)(62.8)(63.0)(63.2)(63.4)(63.6)(63.8)(64.0)(64.2)(64.4)(64.6)(64.8)(65.0)(65.2)(65.4)(65.6)(65.8)(66.0)(66.2)(66.4)(66.6)(66.8)(67.0)(67.2)(67.4)(67.6)(67.8)(68.0)(68.2)(68.4)(68.6)(68.8)(69.0)(69.2)(69.4)(69.6)(69.8)(70.0)(70.2)(70.4)(70.6)(70.8)(71.0)(71.2)(71.4)(71.6)(71.8)(72.0)(72.2)(72.4)(72.6)(72.8)(73.0)(73.2)(73.4)(73.6)(73.8)(74.0)(74.2)(74.4)(74.6)(74.8)(75.0)(75.2)(75.4)(75.6)(75.8)(76.0)(76.2)(76.4)(76.6)(76.8)(77.0)(77.2)(77.4)(77.6)(77.8)(78.0)(78.2)(78.4)(78.6)(78.8)(79.0)(79.2)(79.4)(79.6)(79.8)(80.0)(80.2)(80.4)(80.6)(80.8)(81.0)(81.2)(81.4)(81.6)(81.8)(82.0)(82.2)(82.4)(82.6)(82.8)(83.0)(83.2)(83.4)(83.6)(83.8)(84.0)(84.2)(84.4)(84.6)(84.8)(85.0)(85.2)(85.4)(85.6)(85.8)(86.0)(86.2)(86.4)(86.6)(86.8)(87.0)(87.2)(87.4)(87.6)(87.8)(88.0)(88.2)(88.4)(88.6)(88.8)(89.0)(89.2)(89.4)(89.6)(89.8)(90.0)(90.2)(90.4)(90.6)(90.8)(91.0)(91.2)(91.4)(91.6)(91.8)(92.0)(92.2)(92.4)(92.6)(92.8)(93.0)(93.2)(93.4)(93.6)(93.8)(94.0)(94.2)(94.4)(94.6)(94.8)(95.0)(95.2)(95.4)(95.6)(95.8)(96.0)(96.2)(96.4)(96.6)(96.8)(97.0)(97.2)(97.4)(97.6)(97.8)(98.0)(98.2)(98.4)(98.6)(98.8)(99.0)(99.2)(99.4)(99.6)(99.8)(100.0)(100.2)(100.4)(100.6)(100.8)(101.0)(101.2)(101.4)(101.6)(101.8)(102.0)(102.2)(102.4)(102.6)(102.8)(103.0)(103.2)(103.4)(103.6)(103.8)(104.0)(104.2)(104.4)(104.6)(104.8)(105.0)(105.2)(105.4)(105.6)(105.8)(106.0)(106.2)(106.4)(106.6)(106.8)(107.0)(107.2)(107.4)(107.6)(107.8)(108.0)(108.2)(108.4)(108.6)(108.8)(109.0)(109.2)(109.4)(109.6)(109.8)(110.0)(110.2)(110.4)(110.6)(110.8)(111.0)(111.2)(111.4)(111.6)(111.8)(112.0)(112.2)(112.4)(112.6)(112.8)(113.0)(113.2)(113.4)(113.6)(113.8)(114.0)(114.2)(114.4)(114.6)(114.8)(115.0)(115.2)(115.4)(115.6)(115.8)(116.0)(116.2)(116.4)(116.6)(116.8)(117.0)(117.2)(117.4)(117.6)(117.8)(118.0)(118.2)(118.4)(118.6)(118.8)(119.0)(119.2)(119.4)(119.6)(119.8)(120.0)(120.2)(120.4)(120.6)(120.8)(121.0)(121.2)(121.4)(121.6)(121.8)(122.0)(122.2)(122.4)(122.6)(122.8)(123.0)(123.2)(123.4)(123.6)(123.8)(124.0)(124.2)(124.4)(124.6)(124.8)(125.0)(125.2)(125.4)(125.6)(125.8)(126.0)(126.2)(126.4)(126.6)(126.8)(127.0)(127.2)(127.4)(127.6)(127.8)(128.0)(128.2)(128.4)(128.6)(128.8)(129.0)(129.2)(129.4)(129.6)(129.8)(130.0)(130.2)(130.4)(130.6)(130.8)(131.0)(131.2)(131.4)(131.6)(131.8)(132.0)(132.2)(132.4)(132.6)(132.8)(133.0)(133.2)(133.4)(133.6)(133.8)(134.0)(134.2)(134.4)(134.6)(134.8)(135.0)(135.2)(135.4)(135.6)(135.8)(136.0)(136.2)(136.4)(136.6)(136.8)(137.0)(137.2)(137.4)(137.6)(137.8)(138.0)(138.2)(138.4)(138.6)(138.8)(139.0)(139.2)(139.4)(139.6)(139.8)(140.0)(140.2)(140.4)(140.6)(140.8)(141.0)(141.2)(141.4)(141.6)(141.8)(142.0)(142.2)(142.4)(142.6)(142.8)(143.0)(143.2)(143.4)(143.6)(143.8)(144.0)(144.2)(144.4)(144.6)(144.8)(145.0)(145.2)(145.4)(145.6)(145.8)(146.0)(146.2)(146.4)(146.6)(146.8)(147.0)(147.2)(147.4)(147.6)(147.8)(148.0)(148.2)(148.4)(148.6)(148.8)(149.0)(149.2)(149.4)(149.6)(149.8)(150.0)(150.2)(150.4)(150.6)(150.8)(151.0)(151.2)(151.4)(151.6)(151.8)(152.0)(152.2)(152.4)(152.6)(152.8)(153.0)(153.2)(153.4)(153.6)(153.8)(154.0)(154.2)(154.4)(154.6)(154.8)(155.0)(155.2)(155.4)(155.6)(155.8)(156.0)(156.2)(156.4)(156.6)(156.8)(157.0)(157.2)(157.4)(157.6)(157.8)(158.0)(158.2)(158.4)(158.6)(158.8)(159.0)(159.2)(159.4)(159.6)(159.8)(160.0)(160.2)(160.4)(160.6)(160.8)(161.0)(161.2)(161.4)(161.6)(161.8)(162.0)(162.2)(162.4)(162.6)(162.8)(163.0)(163.2)(163.4)(163.6)(163.8)(164.0)(164.2)(164.4)(164.6)(164.8)(165.0)(165.2)(165.4)(165.6)(165.8)(166.0)(166.2)(166.4)(166.6)(166.8)(167.0)(167.2)(167.4)(167.6)(167.8)(168.0)(168.2)(168.4)(168.6)(168.8)(169.0)(169.2)(169.4)(169.6)(169.8)(170.0)(170.2)(170.4)(170.6)(170.8)(171.0)(171.2)(171.4)(171.6)(171.8)(172.0)(172.2)(172.4)(172.6)(172.8)(173.0)(173.2)(173.4)(173.6)(173.8)(174.0)(174.2)(174.4)(174.6)(174.8)(175.0)(175.2)(175.4)(175.6)(175.8)(176.0)(176.2)(176.4)(176.6)(176.8)(177.0)(177.2)(177.4)(177.6)(177.8)(178.0)(178.2)(178.4)(178.6)(178.8)(179.0)(179.2)(179.4)(179.6)(179.8)(180.0)(180.2)(180.4)(180.6)(180.8)(181.0)(181.2)(181.4)(181.6)(181.8)(182.0)(182.2)(182.4)(182.6)(182.8)(183.0)(183.2)(183.4)(183.6)(183.8)(184.0)(184.2)(184.4)(184.6)(184.8)(185.0)(185.2)(185.4)(185.6)(185.8)(186.0)(186.2)(186.4)(186.6)(186.8)(187.0)(187.2)(187.4)(187.6)(187.8)(188.0)(188.2)(188.4)(188.6)(188.8)(189.0)(189.2)(189.4)(189.6)(189.8)(190.0)(190.2)(190.4)(190.6)(190.8)(191.0)(191.2)(191.4)(191.6)(191.8)(192.0)(192.2)(192.4)(192.6)(192.8)(193.0)(193.2)(193.4)(193.6)(193.8)(194.0)(194.2)(194.4)(194.6)(194.8)(195.0)(195.2)(195.4)(195.6)(195.8)(196.0)(196.2)(196.4)(196.6)(196.8)(197.0)(197.2)(197.4)(197.6)(197.8)(198.0)(198.2)(198.4)(198.6)(198.8)(199.0)(199.2)(199.4)(199.6)(199.8)(200.0)(200.2)(200.4)(200.6)(200.8)(201.0)(201.2)(201.4)(201.6)(201.8)(202.0)(202.2)(202.4)(202.6)(202.8)(203.0)(203.2)(203.4)(203.6)(203.8)(204.0)(204.2)(204.4)(204.6)(204.8)(205.0)(205.2)(205.4)(205.6)(205.8)(206.0)(206.2)(206.4)(206.6)(206.8)(207.0)(207.2)(207.4)(207.6)(207.8)(208.0)(208.2)(208.4)(208.6)(208.8)(209.0)(209.2)(209.4)(209.6)(209.8)(210.0)(210.2)(210.4)(210.6)(210.8)(211.0)(211.2)(211.4)(211.6)(211.8)(212.0)(212.2)(212.4)(212.6)(212.8)(213.0)(213.2)(213.4)(213.6)(213.8)(214.0)(214.2)(214.4)(214.6)(214.8)(215.0)(215.2)(215.4)(215.6)(215.8)(216.0)(216.2)(216.4)(216.6)(216.8)(217.0)(217.2)(217.4)(217.6)(217.8)(218.0)(218.2)(218.4)(218.6)(218.8)(219.0)(219.2)(219.4)(219.6)(219.8)(220.0)(220.2)(220.4)(220.6)(220.8)(221.0)(221.2)(221.4)(221.6)(221.8)(222.0)(222.2)(222.4)(222.6)(222.8)(223.0)(223.2)(223.4)(223.6)(223.8)(224.0)(224.2)(224.4)(224.6)(224.8)(225.0)(225.2)(225.4)(225.6)(225.8)(226.0)(226.2)(226.4)(226.6)(226.8)(227.0)(227.2)(227.4)(227.6)(227.8)(228.0)(228.2)(228.4)(228.6)(228.8)(229.0)(229.2)(229.4)(229.6)(229.8)(230.0)(230.2)(230.4)(230.6)(230.8)(231.0)(231.2)(231.4)(231.6)(231.8)(232.0)(232.2)(232.4)(232.6)(232.8)(233.0)(233.2)(233.4)(233.6)(233.8)(234.0)(234.2)(234.4)(234.6)(234.8)(235.0)(235.2)(235.4)(235.6)(235.8)(236.0)(236.2)(236.4)(236.6)(236.8)(237.0)(237.2)(237.4)(237.6)(237.8)(238.0)(238.2)(238.4)(238.6)(238.8)(239.0)(239.2)(239.4)(239.6)(239.8)(240.0)(240.2)(240.4)(240.6)(240.8)(241.0)(241.2)(241.4)(241.6)(241.8)(242.0)(242.2)(242.4)(242.6)(242.8)(243.0)(243.2)(243.4)(243.6)(243.8)(244.0)(244.2)(244.4)(244.6)(244.8)(245.0)(245.2)(245.4)(245.6)(245.8)(246.0)(246.2)(246.4)(246.6)(246.8)(247.0)(247.2)(247.4)(247.6)(247.8)(248.0)(248.2)(248.4)(248.6)(248.8)(249.0)(249.2)(249.4)(249.6)(249.8)(250.0)(250.2)(250.4)(250.6)(250.8)(251.0)(251.2)(251.4)(251.6)(251.8)(252.0)(252.2)(252.4)(252.6)(252.8)(253.0)(253.2)(253.4)(253.6)(253.8)(254.0)(254.2)(254.4)(254.6)(254.8)(255.0)(255.2)(255.4)(255.6)(255.8)(256.0)(256.2)(256.4)(256.6)(256.8)(257.0)(257.2)(257.4)(257.6)(257.8)(258.0)(258.2)(258.4)(258.6)(258.8)(259.0)(259.2)(259.4)(259.6)(259.8)(260.0)(260.2)(260.4)(260.6)(260.8)(261.0)(261.2)(261.4)(261.6)(261.8)(262.0)(262.2)(262.4)(262.6)(262.8)(263.0)(263.2)(263.4)(263.6)(263.8)(264.0)(264.2)(264.4)(264.6)(264.8)(265.0)(265.2)(265.4)(265.6)(265.8)(266.0)(266.2)(266.4)(266.6)(266.8)(267.0)(267.2)(267.4)(267.6)(267.8)(268.0)(268.2)(268.4)(268.6)(268.8)(269.0)(269.2)(269.4)(269.6)(269.8)(270.0)(270.2)(270.4)(270.6)(270.8)(271.0)(271.2)(271.4)(271.6)(271.8)(272.0)(272.2)(272.4)(272.6)(272.8)(273.0)(273.2)(273.4)(273.6)(273.8)(274.0)(274.2)(274.4)(274.6)(274.8)(275.0)(275.2)(275.4)(275.6)(275.8)(276.0)(276.2)(276.4)(276.6)(276.8)(277.0)(277.2)(277.4)(277.6)(277.8)(278.0)(278.2)(278.4)(278.6)(278.8)(279.0)(279.2)(279.4)(279.6)(279.8)(280.0)(280.2)(280.4)(280.6)(280.8)(281.0)(281.2)(281.4)(281.6)(281.8)(282.0)(282.2)(282.4)(282.6)(282.8)(283.0)(283.2)(283.4)(283.6)(283.8)(284.0)(284.2)(284.4)(284.6)(284.8)(285.0)(285.2)(285.4)(285.6)(285.8)(286.0)(286.2)(286.4)(286.6)(286.8)(287.0)(287.2)(287.4)(287.6)(287.8)(288.0)(288.2)(288.4)(288.6)(288.8)(289.0)(289.2)(289.4)(289.6)(289.8)(290.0)(290.2)(290.4)(290.6)(290.8)(291.0)(291.2)(291.4)(291.6)(291.8)(292.0)(292.2)(292.4)(292.6)(292.8)(293.0)(293.2)(293.4)(293.6)(293.8)(294.0)(294.2)(294.4)(294.6)(294.8)(295.0)(295.2)(295.4)(295.6)(295.8)(296.0)(296.2)(296.4)(296.6)(296.8)(297.0)(297.2)(297.4)(297.6)(297.8)(298.0)(298.2)(298.4)(298.6)(298.8)(299.0)(299.2)(299.4)(299.6)(299.8)(300.0)(300.2)(300.4)(300.6)(300.8)(301.0)(301.2)(301.4)(301.6)(301.8)(302.0)(302.2)(302.4)(302.6)(302.8)(303.0)(303.2)(303.4)(303.6)(303.8)(304.0)(304.2)(304.4)(304.6)(304.8)(305.0)(305.2)(305.4)(305.6)(305.8)(306.0)(306.2)(306.4)(306.6)(306.8)(307.0)(307.2)(307.4)(307.6)(307.8)(308.0)(308.2)(308.4)(308.6)(308.8)(309.0)(309.2)(309.4)(309.6)(309.8)(310.0)(310.2)(310.4)(310.6)(310.8)(311.0)(311.2)(311.4)(311.6)(311.8)(312.0)(312.2)(312.4)(312.6)(312.8)(313.0)(313.2)(313.4)(313.6)(313.8)(314.0)(314.2)(314.4)(314.6)(314.8)(315.0)(315.2)(315.4)(315.6)(315.8)(316.0)(316.2)(316.4)(316.6)(316.8)(317.0)(317.2)(317.4)(317.6)(317.8)(318.0)(318.2)(318.4)(318.6)(318.8)(319.0)(319.2)(319.4)(319.6)(319.8)(320.0)(320.2)(320.4)(320.6)(320.8)(321.0)(321.2)(321.4)(321.6)(321.8)(322.0)(322.2)(322.4)(322.6)(322.8)(323.0)(323.2)(323.4)(323.6)(323.8)(324.0)(324.2)(324.4)(324.6)(324.8)(325.0)(325.2)(325.4)(325.6)(325.8)(326.0)(326.2)(326.4)(326.6)(326.8)(327.0)(327.2)(327.4)(327.6)(327.8)(328.0)(328.2)(328.4)(328.6)(328.8)(329.0)(329.2)(329.4)(329.6)(329.8)(330.0)(330.2)(330.4)(330.6)(330.8)(331.0)(331.2)(331.4)(331.6)(331.8)(332.0)(332.2)(332.4)(332.6)(332.8)(333.0)(333.2)(333.4)(333.6)(333.8)(334.0)(334.2)(334.4)(334.6)(334.8)(335.0)(335.2)(335.4)(335.6)(335.8)(336.0)(336.2)(336.4)(336.6)(336.8)(337.0)(337.2)(337.4)(337.6)(337.8)(338.0)(338.2)(338.4)(338.6)(338.8)(339.0)(339.2)(339.4)(339.6)(339.8)(340.0)(340.2)(340.4)(340.6)(340.8)(341.0)(341.2)(341.4)(341.6)(341.8)(342.0)(342.2)(342.4)(342.6)(342.8)(343.0)(343.2)(343.4)(343.6)(343.8)(344.0)(344.2)(344.4)(344.6)(344.8)(345.0)(345.2)(345.4)(345.6)(345.8)(346.0)(346.2)(346.4)(346.6)(346.8)(347.0)(347.2)(347.4)(347.6)(347.8)(348.0)(348.2)(348.4)(348.6)(348.8)(349.0)(349.2)(349.4)(349.6)(349.8)(350.0)(350.2)(350.4)(350.6)(350.8)(351.0)(351.2)(351.4)(351.6)(351.8)(352.0)(352.2)(352.4)(352.6)(352.8)(353.0)(353.2)(353.4)(353.6)(353.8)(354.0)(354.2)(354.4)(354.6)(354.8)(355.0)(355.2)(355.4)(355.6)(355.8)(356.0)(356.2)(356.4)(356.6)(356.8)(357.0)(357.2)(357.4)(357.6)(357.8)(358.0)(358.2)(358.4)(358.6)(358.8)(359.0)(359.2)(359.4)(359.6)(359.8)(360.0)(360.2)(360.4)(360.6)(360.8)(361.0)(361.2)(361.4)(361.6)(361.8)(362.0)(362.2)(362.4)(362.6)(362.8)(363.0)(363.2)(363.4)(363.6)(363.8)(364.0)(364.2)(364.4)(364.6)(364.8)(365.0)(365.2)(365.4)(365.6)(365.8)(366.0)(366.2)(366.4)(366.6)(366.8)(367.0)(367.2)(367.4)(367.6)(367.8)(368.0)(368.2)(368.4)(368.6)(368.8)(369.0)(369.2)(369.4)(369.6)(369.8)(370.0)(370.2)(370.4)(370.6)(370.8)(371.0)(371.2)(371.4)(371.6)(371.8)(372.0)(372.2)(372.4)(372.6)(372.8)(373.0)(373.2)(373.4)(373.6)(373.8)(374.0)(374.2)(374.4)(374.6)(374.8)(375.0)(375.2)(375.4)(375.6)(375.8)(376.0)(376.2)(376.4)(376.6)(376.8)(377.0)(377.2)(377.4)(377.6)(377.8)(378.0)(378.2)(378.4)(378.6)(378.8)(379.0)(379.2)(379.4)(379.6)(379.8)(380.0)(380.2)(380.4)(380.6)(380.8)(381.0)(381.2)(381.4)(381.6)(381.8)(382.0)(382.2)(382.4)(382.6)(382.8)(383.0)(383.2)(383.4)(383.6)(383.8)(384.0)(384.2)(384.4)(384.6)(384.8)(385.0)(385.2)(385.4)(385.6)(385.8)(386.0)(386.2)(386.4)(386.6)(386.8)(387.0)(387.2)(387.4)(387.6)(387.8)(388.0)(388.2)(388.4)(388.6)(388.8)(389.0)(389.2)(389.4)(389.6)(389.8)(390.0)(390.2)(390.4)(390.6)(390.8)(391.0)(391.2)(391.4)(391.6)(391.8)(392.0)(392.2)(392.4)(392.6)(392.8)(393.0)(393.2)(393.4)(393.6)(393.8)(394.0)(394.2)(394.4)(394.6)(394.8)(395.0)(395.2)(395.4)(395.6)(395.8)(396.0)(396.2)(396.4)(396.6)(396.8)(397.0)(397.2)(397.4)(397.6)(397.8)(398.0)(398.2)(398.4)(398.6)(398.8)(399.0)(399.2)(399.4)(399.6)(399.8)(400.0)(400.2)(400.4)(400.6)(400.8)(401.0)(401.2)(401.4)(401.6)(401.8)(402.0)(402.2)(402.4)(402.6)(402.8)(403.0)(403.2)(403.4)(403.6)(403.8)(404.0)(404.2)(404.4)(404.6)(404.8)(405.0)(405.2)(405.4)(405.6)(405.8)(406.0)(406.2)(406.4)(406.6)(406.8)(407.0)(407.2)(407.4)(407.6)(407.8)(408.0)(408.2)(408.4)(408.6)(408.8)(409.0)(409.2)(409.4)(409.6)(409.8)(410.0)(410.2)(410.4)(410.6)(410.8)(411.0)(411.2)(411.4)(411.6)(411.8)(412.0)(412.2)(412.4)(412.6)(412.8)(413.0)(413.2)(413.4)(413.6)(413.8)(414.0)(414.2)(414.4)(414.6)(414.8)(415.0)(415.2)(415.4)(415.6)(415.8)(416.0)(416.2)(416.4)(416.6)(416.8)(417.0)(417.2)(417.4)(417.6)(417.8)(418.0)(418.2)(418.4)(418.6)(418.8)(419.0)(419.2)(419.4)(419.6)(419.8)(420.0)(420.2)(420.4)(420.6)(420.8)(421.0)(421.2)(421.4)(421.6)(421.8)(422.0)(422.2)(422.4)(422.6)(422.8)(423.0)(423.2)(423.4)(423.6)(423.8)(424.0)(424.2)(424.4)(424.6)(424.8)(425.0)(425.2)(425.4)(425.6)(425.8)(426 | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **798** ACOUSTIC RANGE **45.7m(150ft.)** ARC **FULL-.33m²(53in²)** SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS | | | | SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | |
|---------------------------------|------|------|-------|--|--------|--------|--------|
| FREQ. | | | | INLET IN DEGREES (AND RADIAN) | | | |
| | | | | 40. | 50. | 60. | 70. |
| 50 | 83.4 | 86.7 | 88.7 | (1.22) | (1.05) | (1.57) | (1.40) |
| 63 | 85.2 | 90.5 | 88.0 | 91.3 | 93.4 | 94.0 | 90.3 |
| 80 | 87.0 | 89.3 | 91.1 | 92.4 | 94.0 | 94.9 | 98.1 |
| 100 | 87.4 | 88.9 | 90.4 | 91.4 | 92.5 | 94.9 | 96.0 |
| 125 | 89.2 | 90.5 | 91.2 | 92.8 | 94.4 | 95.7 | 97.1 |
| 160 | 90.7 | 92.0 | 92.5 | 94.5 | 95.6 | 97.0 | 98.6 |
| 200 | 93.3 | 93.8 | 95.3 | 95.6 | 96.7 | 98.3 | 99.0 |
| 250 | 92.9 | 93.9 | 96.2 | 96.7 | 96.8 | 99.2 | 100.1 |
| 315 | 96.5 | 97.0 | 95.8 | 96.3 | 98.2 | 99.5 | 100.2 |
| 400 | 98.1 | 98.1 | 98.4 | 97.6 | 98.7 | 99.3 | 101.0 |
| 500 | 98.9 | 99.5 | 99.7 | 100.5 | 100.1 | 100.2 | 101.1 |
| 630 | 99.2 | 99.7 | 100.0 | 100.3 | 101.9 | 101.5 | 101.9 |
| 800 | 97.5 | 98.0 | 98.8 | 99.8 | 100.7 | 101.5 | 102.2 |
| 1000 | 96.4 | 97.4 | 98.5 | 99.5 | 100.1 | 101.7 | 102.6 |
| 1250 | 95.8 | 98.1 | 98.7 | 100.2 | 100.7 | 102.4 | 103.2 |
| 1600 | 96.0 | 96.8 | 97.6 | 100.1 | 102.0 | 102.3 | 103.5 |
| 2000 | 94.1 | 97.2 | 97.1 | 99.3 | 101.6 | 102.2 | 103.1 |
| 2500 | 93.6 | 96.4 | 96.8 | 99.2 | 100.3 | 100.6 | 102.8 |
| 3150 | 92.0 | 95.3 | 96.2 | 99.4 | 100.2 | 100.0 | 102.2 |
| 4000 | 89.9 | 92.8 | 94.4 | 96.8 | 100.0 | 98.9 | 101.3 |
| 5000 | 88.1 | 91.9 | 92.3 | 94.8 | 97.1 | 97.3 | 97.6 |
| 6300 | 87.0 | 90.8 | 92.6 | 95.0 | 96.7 | 96.2 | 98.1 |
| 8000 | 84.3 | 88.7 | 91.1 | 92.8 | 93.9 | 94.2 | 96.1 |
| 10000 | 81.0 | 84.7 | 87.8 | 89.5 | 88.9 | 90.2 | 92.5 |
| 12500 | 79.1 | 82.9 | 87.1 | 87.0 | 86.2 | 87.2 | 91.5 |
| 16000 | 81.6 | 85.1 | 90.9 | 88.7 | 87.3 | 88.7 | 96.6 |
| OVERALL CALCULATED | | | | 107.9 | 109.2 | 109.8 | 111.1 |
| PNDB | | | | 118.3 | 120.6 | 121.4 | 123.6 |
| | | | | 125.1 | 126.7 | 127.6 | 130.6 |
| | | | | 133.8 | 135.1 | 134.1 | 134.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **799** ACOUSTIC RANGE **45.7m(150ft.)** ARC **SIZE**
FULL-33m²(513in²)

| | FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| FREQ. | (0.75) | (0.87) | (1.05) | (1.22) | (1.43) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.0) | (3.0) | (3.0) | (3.0) | (3.0) | (3.0) |
| NO EGA | 50 | 55.2 | 60.1 | 63.2 | 64.2 | 65.9 | 67.7 | 69.9 | 70.9 | 71.9 | 74.9 | 80.0 | 82.7 | 79.0 | | | | | | |
| SIDELINE 2400. FT. | 63 | 57.0 | 63.9 | 62.5 | 66.5 | 69.0 | 69.7 | 70.2 | 72.2 | 73.7 | 77.2 | 82.1 | 83.0 | 81.2 | | | | | | |
| (731.52 M) | 80 | 58.7 | 62.6 | 65.4 | 66.2 | 68.0 | 69.7 | 70.5 | 73.2 | 74.9 | 79.6 | 84.7 | 84.4 | 81.1 | | | | | | |
| NFA (1. RPM | 100 | 58.9 | 62.1 | 64.7 | 66.5 | 68.0 | 70.5 | 71.5 | 73.5 | 75.9 | 81.6 | 85.0 | 85.3 | 81.7 | | | | | | |
| (0. RAD/SEC) | 125 | 60.5 | 63.5 | 65.4 | 67.7 | 69.7 | 71.2 | 72.5 | 74.7 | 75.9 | 81.4 | 84.2 | 85.3 | 81.1 | | | | | | |
| NFK (1. RPM | 160 | 62.0 | 64.9 | 66.6 | 69.4 | 70.9 | 72.4 | 73.9 | 75.6 | 78.6 | 82.7 | 84.8 | 80.5 | | | | | | | |
| (0. RAD/SEC) | 200 | 64.4 | 66.6 | 69.3 | 70.3 | 71.8 | 73.6 | 74.1 | 76.8 | 79.3 | 82.9 | 83.9 | 82.1 | 79.7 | | | | | | |
| NFD (7500. RPM | 250 | 63.7 | 66.5 | 69.9 | 71.2 | 71.8 | 74.3 | 75.0 | 77.2 | 80.2 | 83.0 | 82.9 | 79.3 | | | | | | | |
| (785. RAD/SEC) | 315 | 67.0 | 69.3 | 70.6 | 72.9 | 74.4 | 74.9 | 77.4 | 80.0 | 82.6 | 82.5 | 82.5 | 79.0 | | | | | | | |
| AIRFLOW RATIO | 400 | 68.1 | 70.0 | 71.5 | 71.6 | 73.2 | 74.0 | 75.4 | 77.9 | 79.8 | 82.3 | 82.1 | 82.8 | 78.2 | | | | | | |
| WF/WM 4.63 | 500 | 68.4 | 70.9 | 72.5 | 74.1 | 74.2 | 74.5 | 75.2 | 77.6 | 81.3 | 81.5 | 81.7 | 82.2 | 75.8 | | | | | | |
| VEHICLE CELL41 | 630 | 68.0 | 70.6 | 72.3 | 73.4 | 75.5 | 75.3 | 75.5 | 77.9 | 80.8 | 81.5 | 82.3 | 81.1 | 73.0 | | | | | | |
| CONFIG NC53 | 800 | 65.4 | 68.2 | 70.4 | 72.4 | 73.8 | 74.8 | 75.3 | 77.9 | 79.2 | 80.3 | 80.8 | 78.0 | 68.4 | | | | | | |
| LOC C41 ANECH CH | 1000 | 63.2 | 66.7 | 69.3 | 71.3 | 72.5 | 74.3 | 75.0 | 77.1 | 78.5 | 78.5 | 79.1 | 74.7 | 66.0 | | | | | | |
| DATE 06-08-76 | 1250 | 61.2 | 66.2 | 68.5 | 71.1 | 72.3 | 74.1 | 74.8 | 76.3 | 77.7 | 76.6 | 76.7 | 72.1 | 63.0 | | | | | | |
| RUN CONF7TEMPREP | 1600 | 59.5 | 63.3 | 66.0 | 69.8 | 72.3 | 72.9 | 73.8 | 75.0 | 76.0 | 74.7 | 73.5 | 69.1 | 58.8 | | | | | | |
| TAPE X07990 | 2000 | 55.3 | 61.8 | 63.8 | 67.4 | 70.5 | 71.3 | 72.0 | 72.9 | 74.6 | 71.3 | 70.4 | 65.8 | 54.0 | | | | | | |
| FAN TIP SPEED | 2500 | 51.5 | 58.1 | 61.0 | 65.1 | 67.0 | 67.6 | 69.5 | 69.0 | 70.3 | 66.7 | 65.4 | 59.6 | 46.2 | | | | | | |
| FT/SEC | 3150 | 44.5 | 52.6 | 56.6 | 61.6 | 63.5 | 63.6 | 65.5 | 64.4 | 65.6 | 61.0 | 59.1 | 52.0 | 34.8 | | | | | | |
| | 4000 | 34.3 | 43.3 | 48.8 | 53.6 | 58.1 | 57.4 | 59.4 | 57.1 | 57.3 | 51.5 | 47.2 | 38.7 | 17.7 | | | | | | |
| | 5000 | 27.8 | 38.5 | 43.3 | 48.5 | 52.2 | 52.9 | 52.7 | 51.9 | 52.5 | 45.1 | 41.7 | 29.0 | 6.7 | | | | | | |
| | 6300 | 12.9 | 26.1 | 33.5 | 39.4 | 43.1 | 43.2 | 44.5 | 41.4 | 40.5 | 32.1 | 26.3 | 13.1 | | | | | | | |
| | 8000 | 6.3 | 16.6 | 23.1 | 26.8 | 27.9 | 29.0 | 25.1 | 23.6 | 13.9 | 4.1 | | | | | | | | | |
| | 10000 | | | 0.1 | 3.0 | 5.4 | 6.6 | 1.2 | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 76.3 | 79.2 | 81.1 | 82.8 | 84.4 | 85.5 | 86.3 | 88.4 | 90.7 | 92.9 | 94.5 | 94.3 | 90.5 | | | | | | |
| PNUB | | 81.3 | 85.4 | 87.6 | 90.4 | 92.5 | 93.5 | 94.4 | 95.7 | 97.5 | 98.0 | 98.5 | 97.5 | 92.0 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **799** ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | PAL | |
|--------------------|---|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|-------|------------|
| | 40.
(3.70) | 50.
(0.87) | 60.
(1.05) | 70.
(1.22) | 80.
(1.40) | 90.
(1.57) | 100.
(1.75) | 110.
(1.92) | 120.
(2.09) | 130.
(2.27) | 140.
(2.44) | 150.
(2.62) | 160.
(2.79) | 0.
(0.) | | 0.
(0.) |
| NO EGA | 63 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| RDG. NO. 0. | 100 | 81.1 | 89.9 | 87.2 | 89.2 | 90.5 | 90.2 | 90.5 | 91.2 | 91.9 | 93.2 | 97.4 | 98.1 | 100.9 | 135.2 | |
| RADIAL (12. M) | 125 | 79.8 | 85.1 | 85.9 | 88.4 | 90.2 | 91.4 | 91.7 | 92.7 | 90.6 | 89.9 | 99.1 | 101.3 | 102.4 | 136.3 | |
| VEHICLE CELL41 | 160 | 80.6 | 82.9 | 86.7 | 86.2 | 87.0 | 87.4 | 87.0 | 90.0 | 90.4 | 95.2 | 100.2 | 101.9 | 104.7 | 137.1 | |
| CONFIG NC53 | 200 | 81.8 | 83.0 | 84.8 | 87.1 | 86.9 | 87.8 | 88.9 | 91.6 | 94.3 | 97.4 | 101.6 | 106.5 | 108.3 | 142.8 | |
| LOC C41 ANECH CH | 250 | 81.1 | 84.8 | 86.3 | 86.9 | 87.5 | 89.3 | 91.5 | 93.9 | 95.3 | 98.9 | 105.9 | 109.0 | 110.6 | 142.8 | |
| DATE 06-08-76 | 315 | 82.9 | 87.7 | 85.7 | 88.5 | 91.1 | 91.9 | 92.3 | 94.7 | 97.4 | 101.3 | 107.7 | 111.1 | 112.4 | 144.8 | |
| RUN CONF7TEMPDEP | 400 | 84.9 | 87.0 | 88.7 | 88.8 | 90.1 | 91.7 | 93.1 | 95.8 | 98.5 | 104.3 | 110.2 | 112.9 | 112.7 | 146.4 | |
| TAPE X71000 | 500 | 85.3 | 86.8 | 88.0 | 89.1 | 90.7 | 92.8 | 93.9 | 96.6 | 99.0 | 106.1 | 110.8 | 114.0 | 114.0 | 147.4 | |
| BAR 29.4 HG | 630 | 87.1 | 88.4 | 89.1 | 90.4 | 92.3 | 93.6 | 95.3 | 97.7 | 101.1 | 106.5 | 110.4 | 113.1 | 113.6 | 147.1 | |
| (93347. N/M2) | 800 | 88.4 | 89.4 | 90.2 | 92.2 | 93.5 | 95.4 | 96.3 | 98.9 | 102.4 | 108.0 | 110.9 | 112.9 | 113.7 | 147.4 | |
| TAMB 75. DEG F | 1000 | 90.7 | 92.2 | 92.7 | 93.8 | 94.4 | 95.7 | 97.4 | 99.8 | 103.0 | 107.8 | 110.0 | 111.4 | 113.2 | 146.9 | |
| (297. DEG K) | 1250 | 91.0 | 92.1 | 94.1 | 94.6 | 95.0 | 96.8 | 97.5 | 101.1 | 104.3 | 108.7 | 109.4 | 111.3 | 112.8 | 146.9 | |
| TWET 66. DEG F | 1600 | 93.6 | 94.4 | 93.2 | 94.5 | 95.8 | 96.9 | 98.1 | 100.7 | 104.7 | 108.3 | 109.7 | 111.9 | 113.4 | 147.3 | |
| (292. DEG K) | 2000 | 97.2 | 96.2 | 96.2 | 95.8 | 96.9 | 97.5 | 99.1 | 102.0 | 104.5 | 108.1 | 109.8 | 112.7 | 113.5 | 147.7 | |
| HACT13.52 GM/M3 | 2500 | 98.0 | 98.1 | 98.1 | 98.6 | 97.5 | 97.6 | 99.4 | 102.1 | 105.9 | 107.9 | 109.9 | 112.8 | 112.3 | 147.6 | |
| (.01352 KG/M3) | 3150 | 96.0 | 97.1 | 98.1 | 98.9 | 100.4 | 99.8 | 99.4 | 102.6 | 105.8 | 107.7 | 110.1 | 112.5 | 111.1 | 147.5 | |
| FREQ. SHIFT | 4000 | 94.3 | 95.1 | 96.1 | 97.4 | 98.7 | 100.1 | 100.0 | 102.9 | 105.1 | 107.2 | 110.2 | 110.6 | 108.3 | 146.8 | |
| JET 0 | 5000 | 93.4 | 94.5 | 95.3 | 96.5 | 97.9 | 99.2 | 101.1 | 103.3 | 105.5 | 106.6 | 109.8 | 109.2 | 107.5 | 146.2 | |
| DIAMETER RATIO | 6300 | 92.2 | 94.3 | 96.1 | 97.1 | 97.9 | 100.0 | 101.4 | 104.1 | 105.8 | 106.2 | 108.4 | 108.3 | 107.5 | 145.6 | |
| DF/DH 1.00 | 8030 | 91.3 | 93.1 | 94.4 | 97.2 | 98.7 | 99.3 | 101.2 | 103.4 | 105.7 | 105.5 | 107.0 | 107.1 | 106.3 | 144.8 | |
| | 10000 | 89.4 | 93.0 | 93.4 | 95.6 | 98.4 | 99.0 | 99.9 | 102.4 | 104.9 | 103.8 | 105.0 | 106.3 | 105.8 | 143.4 | |
| | 12500 | 88.1 | 91.3 | 93.0 | 94.7 | 96.7 | 97.1 | 99.5 | 99.8 | 102.2 | 101.4 | 102.8 | 104.4 | 104.3 | 142.7 | |
| | 16000 | 86.2 | 89.7 | 91.4 | 94.0 | 95.6 | 95.4 | 98.3 | 98.6 | 100.9 | 99.6 | 100.7 | 103.2 | 102.9 | 140.8 | |
| | 20000 | 83.4 | 86.5 | 88.8 | 90.7 | 94.2 | 93.6 | 96.2 | 95.3 | 98.1 | 95.9 | 97.3 | 99.2 | 100.6 | 139.0 | |
| | 25000 | 79.7 | 83.8 | 85.2 | 88.0 | 90.5 | 90.2 | 91.5 | 91.6 | 95.2 | 92.1 | 96.2 | 94.5 | 97.3 | 138.7 | |
| | 31500 | 77.1 | 81.2 | 83.6 | 86.3 | 88.3 | 88.3 | 90.5 | 89.3 | 91.6 | 88.8 | 91.7 | 94.6 | 94.3 | 137.6 | |
| | 40000 | 72.0 | 76.1 | 79.8 | 81.3 | 82.9 | 83.4 | 85.9 | 83.8 | 86.6 | 85.5 | 88.5 | 90.9 | 90.7 | 135.7 | |
| | 50000 | 67.0 | 70.7 | 74.2 | 75.5 | 75.5 | 76.9 | 79.6 | 78.6 | 80.5 | 78.8 | 84.1 | 84.1 | 83.9 | 135.7 | |
| | 63000 | 61.8 | 64.4 | 69.3 | 69.0 | 68.7 | 69.9 | 74.2 | 70.8 | 73.9 | 74.3 | 78.3 | 77.7 | 79.9 | 136.3 | |
| | 80000 | 59.0 | 61.2 | 67.5 | 64.6 | 63.5 | 64.6 | 73.3 | 65.3 | 69.5 | 71.7 | 74.9 | 73.7 | 76.4 | 142.3 | |
| OVERALL MEASURED | | 105.2 | 106.3 | 107.0 | 108.2 | 109.5 | 110.3 | 111.6 | 113.9 | 116.6 | 119.2 | 121.9 | 124.1 | 124.5 | 159.5 | |
| OVERALL CALCULATED | | 118.7 | 119.6 | 120.4 | 121.3 | 122.5 | 123.1 | 123.8 | 126.5 | 129.2 | 131.6 | 134.3 | 136.3 | 136.0 | | |
| PNOB | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 7100 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESS

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
ATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | O. (C.) O. (C.) O. (C.) O. (C.) | | | | |
|------------------|-------|------|-------|--------|--------|--------|--------|---|--------|--------|--------|--------|---------------------------------|--------|--------|-------|--|
| NO EGA | 50 | 82.9 | 86.7 | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | 160.7 | |
| RDG. NO. C. | 63 | 84.7 | 89.5 | 87.5 | 90.6 | 92.9 | 93.8 | 94.9 | 97.6 | 99.3 | 103.1 | 109.5 | 113.0 | 114.3 | 158.1 | | |
| RADIAL 150. FT. | 80 | 85.8 | 88.8 | 90.6 | 90.6 | 91.9 | 93.5 | 94.9 | 97.6 | 100.3 | 106.1 | 112.1 | 114.8 | 114.5 | 159.7 | | |
| VEHICLE | 100 | 87.1 | 88.6 | 89.9 | 90.9 | 92.5 | 94.6 | 95.8 | 98.4 | 103.9 | 108.0 | 112.7 | 115.8 | 115.9 | 160.7 | | |
| CONFIG | 125 | 89.0 | 90.2 | 91.0 | 92.3 | 94.1 | 95.5 | 97.1 | 99.5 | 103.0 | 108.3 | 112.3 | 114.9 | 115.5 | 163.7 | | |
| LOC C41 ANECH CH | 160 | 90.2 | 91.3 | 92.0 | 94.0 | 95.4 | 97.3 | 98.1 | 100.8 | 104.3 | 109.8 | 112.8 | 114.7 | 115.5 | 160.7 | | |
| DATE 06-08-76 | 200 | 92.6 | 94.1 | 94.6 | 95.6 | 96.2 | 97.6 | 99.2 | 101.6 | 104.3 | 109.7 | 111.9 | 113.3 | 115.1 | 163.2 | | |
| RUN CONFTEMPDEP | 315 | 93.5 | 96.3 | 95.0 | 96.3 | 97.7 | 98.8 | 99.9 | 102.6 | 106.5 | 110.1 | 111.6 | 113.8 | 115.3 | 160.2 | | |
| TAPE X7100C | 400 | 99.1 | 98.1 | 98.1 | 97.6 | 98.7 | 99.3 | 99.5 | 100.8 | 104.0 | 107.7 | 109.8 | 111.8 | 114.2 | 161.0 | | |
| 3AP 29.4 HG | 500 | 99.9 | 100.0 | 100.0 | 100.5 | 99.3 | 102.4 | 101.7 | 101.4 | 104.5 | 107.7 | 109.6 | 112.0 | 114.4 | 161.0 | | |
| (99347. 77.22) | 630 | 97.9 | 99.0 | 100.0 | 100.8 | 102.4 | 101.7 | 101.4 | 104.5 | 107.7 | 109.6 | 112.0 | 114.4 | 113.0 | 161.0 | | |
| TAMB 75. DEG F | 800 | 96.2 | 97.0 | 98.1 | 99.3 | 100.7 | 102.0 | 101.9 | 104.8 | 107.1 | 109.2 | 112.1 | 112.5 | 110.3 | 160.1 | | |
| (297. DEG K) | 1000 | 95.4 | 96.4 | 97.2 | 98.5 | 99.8 | 101.2 | 103.1 | 105.2 | 107.5 | 108.6 | 111.8 | 111.2 | 109.4 | 159.6 | | |
| TWET 66. DEG F | 1250 | 94.3 | 96.4 | 98.2 | 99.2 | 100.0 | 101.6 | 103.5 | 105.6 | 107.9 | 108.3 | 110.5 | 110.3 | 109.6 | 159.5 | | |
| (292. DEG K) | 1600 | 93.5 | 95.3 | 96.6 | 99.4 | 101.0 | 101.6 | 103.5 | 105.6 | 107.9 | 108.3 | 110.5 | 110.3 | 109.6 | 159.9 | | |
| HACT13.52 GM/M3 | 2000 | 91.9 | 95.5 | 95.8 | 98.1 | 100.9 | 101.5 | 102.4 | 104.8 | 107.9 | 108.3 | 110.5 | 110.3 | 109.6 | 158.2 | | |
| (.01352 KG/M3) | 2500 | 90.9 | 94.1 | 95.7 | 97.5 | 99.5 | 99.9 | 102.3 | 102.6 | 105.0 | 104.2 | 105.6 | 107.2 | 107.1 | 156.7 | | |
| FFREQ. SHIFT | 3150 | 89.5 | 93.0 | 94.7 | 97.4 | 98.9 | 98.8 | 101.7 | 102.0 | 104.2 | 103.0 | 104.1 | 105.6 | 106.3 | 156.0 | | |
| JET 7 | 4000 | 87.4 | 90.5 | 92.9 | 94.8 | 98.3 | 97.6 | 100.3 | 99.3 | 102.2 | 100.0 | 101.3 | 103.2 | 104.6 | 154.1 | | |
| DIAMETER RATIO | 5000 | 85.1 | 89.1 | 90.5 | 93.3 | 95.8 | 95.5 | 96.8 | 97.0 | 103.6 | 97.5 | 101.5 | 99.8 | 102.6 | 152.3 | | |
| DF/DM 4.63 | 6300 | 84.0 | 88.1 | 90.6 | 93.2 | 95.2 | 95.2 | 97.4 | 96.3 | 98.6 | 95.7 | 98.6 | 101.5 | 101.2 | 152.0 | | |
| | 8000 | 81.3 | 85.4 | 89.1 | 90.6 | 92.1 | 92.7 | 95.1 | 93.1 | 95.9 | 94.8 | 97.8 | 100.2 | 99.9 | 151.0 | | |
| | 10000 | 79.3 | 83.0 | 86.5 | 87.8 | 87.9 | 89.2 | 92.0 | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 7 | 7100 | 45.7m(150ft.) ARC |

SIZE
FULL - .33m² (513in²)

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.0) | (3.2) | (3.4) | (3.6) |
| NO EGA | | 50 | 54.7 | 60.1 | 62.7 | 63.9 | 64.9 | 66.9 | 68.9 | 70.9 | 71.7 | 74.1 | 79.5 | 80.4 | 78.5 | | | | |
| SIDELINE 2400. FT. | | 63 | 56.5 | 62.9 | 62.0 | 65.5 | 68.5 | 69.5 | 69.7 | 71.7 | 73.7 | 76.4 | 81.3 | 82.5 | 80.2 | | | | |
| (731.52 M) | | 80 | 58.4 | 62.1 | 64.9 | 65.7 | 67.5 | 69.2 | 70.5 | 72.7 | 74.7 | 79.4 | 83.7 | 84.1 | 80.4 | | | | |
| NFA | | 100 | 58.7 | 61.8 | 64.2 | 66.0 | 68.0 | 70.2 | 71.2 | 73.5 | 75.2 | 81.1 | 84.2 | 85.1 | 81.5 | | | | |
| (1. RPM | | 125 | 60.4 | 63.3 | 65.2 | 67.2 | 69.5 | 71.0 | 72.5 | 74.5 | 77.2 | 81.4 | 83.7 | 84.0 | 80.8 | | | | |
| (0. RAD/SEC) | | 160 | 61.5 | 64.2 | 66.1 | 68.9 | 70.6 | 72.7 | 73.4 | 75.6 | 78.3 | 82.7 | 84.0 | 83.5 | 80.5 | | | | |
| NFK | | 200 | 63.6 | 66.8 | 68.5 | 70.3 | 71.3 | 72.9 | 74.3 | 76.3 | 78.8 | 82.4 | 82.9 | 81.9 | 79.7 | | | | |
| (0. RAD/SEC) | | 250 | 63.7 | 66.5 | 69.7 | 71.0 | 71.8 | 73.8 | 74.3 | 77.5 | 79.9 | 83.0 | 82.0 | 81.4 | 78.8 | | | | |
| NFD | | 315 | 66.0 | 68.5 | 70.6 | 72.4 | 73.2 | 74.0 | 75.4 | 77.9 | 79.5 | 81.8 | 81.6 | 81.8 | 78.0 | | | | |
| (7500. RPM | | 400 | 69.1 | 70.0 | 71.3 | 71.6 | 73.2 | 74.0 | 75.4 | 77.9 | 79.5 | 81.8 | 81.6 | 81.8 | 78.0 | | | | |
| (785. RAD/SEC) | | 500 | 69.4 | 71.4 | 72.8 | 74.1 | 73.5 | 73.7 | 75.0 | 77.6 | 80.5 | 81.3 | 81.2 | 81.2 | 75.8 | | | | |
| AIRFLOW RATIO | | 630 | 66.7 | 69.8 | 72.3 | 73.9 | 76.0 | 75.6 | 75.0 | 77.7 | 80.0 | 80.5 | 80.8 | 80.1 | 73.3 | | | | |
| W/FM 4.63 | | 800 | 64.1 | 67.2 | 69.7 | 71.9 | 73.8 | 73.3 | 75.3 | 77.4 | 78.7 | 79.3 | 80.0 | 77.0 | 68.9 | | | | |
| VEHICLE | | 1000 | 62.2 | 65.7 | 68.0 | 70.3 | 72.3 | 73.9 | 75.1 | 77.1 | 77.7 | 76.4 | 75.9 | 71.6 | 63.5 | | | | |
| CONFIG | | 1250 | 59.7 | 64.4 | 68.0 | 70.1 | 71.6 | 73.9 | 75.1 | 77.1 | 77.7 | 76.4 | 75.9 | 71.6 | 63.5 | | | | |
| LOC C41 ANECH CH | | 1600 | 57.0 | 61.8 | 65.0 | 69.0 | 71.3 | 72.1 | 73.8 | 75.3 | 76.3 | 74.2 | 72.7 | 68.1 | 58.8 | | | | |
| DATE 06-08-76 | | 2000 | 53.1 | 60.0 | 62.6 | 66.2 | 69.7 | 70.6 | 71.2 | 72.9 | 74.1 | 70.8 | 68.6 | 64.5 | 54.0 | | | | |
| RUN CONF7TEMPDEP | | 2500 | 48.7 | 55.9 | 60.0 | 63.3 | 66.2 | 66.9 | 69.0 | 68.5 | 69.3 | 66.0 | 63.4 | 58.6 | 46.5 | | | | |
| TAPE X71000 | | 3150 | 42.0 | 50.3 | 55.1 | 59.6 | 62.2 | 62.4 | 65.0 | 64.2 | 64.6 | 60.3 | 56.6 | 51.0 | 35.3 | | | | |
| FAN TIP SPEED | | 4000 | 31.8 | 41.1 | 47.3 | 51.6 | 56.4 | 56.1 | 58.4 | 56.1 | 56.6 | 50.5 | 45.7 | 37.2 | 18.2 | | | | |
| FT/SEC | | 5000 | 24.8 | 35.8 | 41.5 | 47.0 | 50.9 | 51.1 | 51.9 | 50.6 | 51.5 | 44.1 | 41.2 | 27.7 | 7.2 | | | | |
| | | 6300 | 9.9 | 23.3 | 31.5 | 37.7 | 41.6 | 42.2 | 43.7 | 40.7 | 39.5 | 30.9 | 24.6 | 11.6 | | | | | |
| | | 8000 | | | | | | | | | | | | | | | | | |
| | | 10000 | | | | | | | | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | | |
| | | 15000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 76.1 | 78.8 | 80.7 | 82.5 | 84.1 | 85.2 | 86.1 | 88.3 | 90.3 | 92.5 | 93.7 | 93.5 | 90.2 | | | | |
| 1.08 | | | 81.6 | 85.0 | 87.2 | 89.6 | 91.9 | 92.9 | 94.1 | 95.7 | 97.1 | 97.5 | 97.6 | 96.5 | 91.8 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7100 ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 8 DAY 26 HR. 18.5

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENCTS) | | | | | | | | | | | | | |
|--|---|--------|--------|--------|--------|------------------------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | C. (C.) (C.) (C.) (C.) | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.73) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) |
| 50 | 83.6 | 86.4 | 87.9 | 88.0 | 89.3 | 90.9 | 93.3 | 95.2 | 95.9 | 100.7 | 106.9 | 112.4 | 111.7 |
| 53 | 84.7 | 88.8 | 87.3 | 89.8 | 92.4 | 92.8 | 93.9 | 96.1 | 98.3 | 103.1 | 109.0 | 112.5 | 113.5 |
| 80 | 86.8 | 88.8 | 89.6 | 90.3 | 91.4 | 92.8 | 93.9 | 96.8 | 103.3 | 105.6 | 111.6 | 114.0 | 113.8 |
| RADIAL 150. FT. | 100 | 87.9 | 88.4 | 89.9 | 90.7 | 92.5 | 94.4 | 95.3 | 97.9 | 101.1 | 107.0 | 112.2 | 115.1 |
| (46. M) | 125 | 89.3 | 89.7 | 90.5 | 92.3 | 93.6 | 95.0 | 96.6 | 99.0 | 102.7 | 108.1 | 111.8 | 114.9 |
| VEHICLE CELL41 | 160 | 90.2 | 91.0 | 92.3 | 93.5 | 94.9 | 96.5 | 97.9 | 100.5 | 104.5 | 109.1 | 111.8 | 114.5 |
| CONFIG NC53 | 200 | 92.3 | 93.3 | 94.1 | 95.6 | 96.2 | 97.3 | 98.7 | 101.4 | 104.8 | 109.7 | 111.4 | 112.3 |
| LOC C41 ANECH CH | 250 | 91.9 | 93.2 | 94.7 | 95.5 | 96.3 | 98.4 | 99.3 | 102.5 | 106.2 | 109.8 | 110.2 | 112.6 |
| DATE C6-08-76 | 315 | 93.5 | 94.5 | 94.5 | 95.3 | 97.2 | 99.0 | 99.7 | 102.3 | 106.3 | 109.6 | 110.8 | 113.8 |
| RUN CONFTEMPDEP | 400 | 95.8 | 96.1 | 96.6 | 96.1 | 98.0 | 98.8 | 100.7 | 103.6 | 106.4 | 110.2 | 110.9 | 113.3 |
| TAPE X71010 | 500 | 97.2 | 97.5 | 97.5 | 98.3 | 98.1 | 99.2 | 100.6 | 103.3 | 107.2 | 109.1 | 110.5 | 113.7 |
| BAR 29.4 HG | 630 | 96.2 | 97.2 | 98.0 | 99.0 | 100.1 | 99.7 | 100.9 | 104.3 | 107.2 | 109.1 | 111.0 | 113.9 |
| (90347. N/M2) | 800 | 95.0 | 95.3 | 96.6 | 98.1 | 99.2 | 100.8 | 101.2 | 104.1 | 107.1 | 108.7 | 110.1 | 112.3 |
| TAMB 73. DEG F | 1000 | 94.6 | 95.2 | 96.0 | 97.5 | 98.6 | 100.4 | 101.6 | 104.5 | 106.7 | 107.6 | 110.3 | 111.2 |
| (296. DEG K) | 1250 | 94.5 | 96.1 | 96.7 | 97.7 | 98.7 | 100.9 | 102.7 | 105.2 | 106.9 | 106.8 | 109.5 | 110.1 |
| TWET 65. DEG F | 1600 | 94.5 | 95.8 | 96.1 | 98.6 | 99.5 | 100.8 | 102.7 | 104.6 | 106.9 | 107.0 | 108.2 | 109.3 |
| (291. DEG K) | 2000 | 92.9 | 95.5 | 96.1 | 97.8 | 99.9 | 99.8 | 101.4 | 103.8 | 106.3 | 105.5 | 106.9 | 109.3 |
| HACT12.89 GM/M3 | 2500 | 90.1 | 93.6 | 94.0 | 96.7 | 98.3 | 98.9 | 101.5 | 101.9 | 103.6 | 103.7 | 104.6 | 107.2 |
| (.01289 KG/M3) | 3150 | 89.3 | 92.3 | 92.8 | 95.4 | 98.5 | 98.3 | 101.0 | 100.7 | 103.8 | 101.8 | 103.4 | 106.1 |
| FREQ. SHIFT | 4000 | 87.0 | 89.8 | 90.9 | 93.3 | 96.8 | 96.4 | 99.3 | 98.4 | 101.5 | 98.8 | 100.1 | 103.3 |
| JET 7 | 5000 | 85.1 | 88.7 | 89.1 | 91.2 | 93.6 | 94.8 | 95.1 | 96.3 | 103.1 | 96.6 | 99.5 | 99.2 |
| DIAMETER RATIO | 6300 | 84.1 | 87.9 | 89.4 | 92.1 | 93.3 | 93.0 | 95.2 | 95.1 | 97.9 | 94.8 | 97.7 | 101.4 |
| DEADM 4.63 | 8000 | 80.9 | 85.3 | 88.0 | 89.5 | 90.8 | 91.3 | 92.8 | 92.4 | 95.7 | 94.2 | 96.2 | 99.3 |
| 10000 | 77.4 | 81.9 | 85.4 | 86.4 | 86.5 | 87.3 | 87.6 | 88.1 | 92.2 | 90.6 | 95.9 | 98.8 | 94.6 |
| 12500 | 75.7 | 78.3 | 84.8 | 84.0 | 83.7 | 84.8 | 83.8 | 86.0 | 89.6 | 89.6 | 94.1 | 93.2 | 92.1 |
| 16000 | 77.6 | 77.6 | 87.4 | 82.9 | 81.5 | 84.7 | 84.3 | 85.1 | 90.4 | 89.3 | 94.5 | 94.3 | 93.4 |
| OVERALL CALCULATED | 105.9 | 107.2 | 107.9 | 109.2 | 110.6 | 113.1 | 115.3 | 118.3 | 120.5 | 122.9 | 125.3 | 129.6 | 132.9 |
| P=18 | 116.0 | 118.3 | 119.0 | 120.9 | 122.9 | 123.3 | 125.3 | 126.4 | 129.3 | 129.6 | 131.5 | 133.8 | 134.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| 7 | 7101 | 45.7m(150ft.) ARC | FULL - 33m ² (531n ²) |

| NO EGA | | RDG. NO. | | 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000. 1010. 1020. 1030. 1040. 1050. 1060. 1070. 1080. 1090. 1100. 1110. 1120. 1130. 1140. 1150. 1160. 1170. 1180. 1190. 1200. 1210. 1220. 1230. 1240. 1250. 1260. 1270. 1280. 1290. 1300. 1310. 1320. 1330. 1340. 1350. 1360. 1370. 1380. 1390. 1400. 1410. 1420. 1430. 1440. 1450. 1460. 1470. 1480. 1490. 1500. 1510. 1520. 1530. 1540. 1550. 1560. 1570. 1580. 1590. 1600. 1610. 1620. 1630. 1640. 1650. 1660. 1670. 1680. 1690. 1700. 1710. 1720. 1730. 1740. 1750. 1760. 1770. 1780. 1790. 1800. 1810. 1820. 1830. 1840. 1850. 1860. 1870. 1880. 1890. 1900. 1910. 1920. 1930. 1940. 1950. 1960. 1970. 1980. 1990. 2000. 2010. 2020. 2030. 2040. 2050. 2060. 2070. 2080. 2090. 2100. 2110. 2120. 2130. 2140. 2150. 2160. 2170. 2180. 2190. 2200. 2210. 2220. 2230. 2240. 2250. 2260. 2270. 2280. 2290. 2300. 2310. 2320. 2330. 2340. 2350. 2360. 2370. 2380. 2390. 2400. 2410. 2420. 2430. 2440. 2450. 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540. 2550. 2560. 2570. 2580. 2590. 2600. 2610. 2620. 2630. 2640. 2650. 2660. 2670. 2680. 2690. 2700. 2710. 2720. 2730. 2740. 2750. 2760. 2770. 2780. 2790. 2800. 2810. 2820. 2830. 2840. 2850. 2860. 2870. 2880. 2890. 2900. 2910. 2920. 2930. 2940. 2950. 2960. 2970. 2980. 2990. 3000. 3010. 3020. 3030. 3040. 3050. 3060. 3070. 3080. 3090. 3100. 3110. 3120. 3130. 3140. 3150. 3160. 3170. 3180. 3190. 3200. 3210. 3220. 3230. 3240. 3250. 3260. 3270. 3280. 3290. 3300. 3310. 3320. 3330. 3340. 3350. 3360. 3370. 3380. 3390. 3400. 3410. 3420. 3430. 3440. 3450. 3460. 3470. 3480. 3490. 3500. 3510. 3520. 3530. 3540. 3550. 3560. 3570. 3580. 3590. 3600. 3610. 3620. 3630. 3640. 3650. 3660. 3670. 3680. 3690. 3700. 3710. 3720. 3730. 3740. 3750. 3760. 3770. 3780. 3790. 3800. 3810. 3820. 3830. 3840. 3850. 3860. 3870. 3880. 3890. 3900. 3910. 3920. 3930. 3940. 3950. 3960. 3970. 3980. 3990. 4000. 4010. 4020. 4030. 4040. 4050. 4060. 4070. 4080. 4090. 4100. 4110. 4120. 4130. 4140. 4150. 4160. 4170. 4180. 4190. 4200. 4210. 4220. 4230. 4240. 4250. 4260. 4270. 4280. 4290. 4300. 4310. 4320. 4330. 4340. 4350. 4360. 4370. 4380. 4390. 4400. 4410. 4420. 4430. 4440. 4450. 4460. 4470. 4480. 4490. 4500. 4510. 4520. 4530. 4540. 4550. 4560. 4570. 4580. 4590. 4600. 4610. 4620. 4630. 4640. 4650. 4660. 4670. 4680. 4690. 4700. 4710. 4720. 4730. 4740. 4750. 4760. 4770. 4780. 4790. 4800. 4810. 4820. 4830. 4840. 4850. 4860. 4870. 4880. 4890. 4900. 4910. 4920. 4930. 4940. 4950. 4960. 4970. 4980. 4990. 5000. 5010. 5020. 5030. 5040. 5050. 5060. 5070. 5080. 5090. 5100. 5110. 5120. 5130. 5140. 5150. 5160. 5170. 5180. 5190. 5200. 5210. 5220. 5230. 5240. 5250. 5260. 5270. 5280. 5290. 5300. 5310. 5320. 5330. 5340. 5350. 5360. 5370. 5380. 5390. 5400. 5410. 5420. 5430. 5440. 5450. 5460. 5470. 5480. 5490. 5500. 5510. 5520. 5530. 5540. 5550. 5560. 5570. 5580. 5590. 5600. 5610. 5620. 5630. 5640. 5650. 5660. 5670. 5680. 5690. 5700. 5710. 5720. 5730. 5740. 5750. 5760. 5770. 5780. 5790. 5800. 5810. 5820. 5830. 5840. 5850. 5860. 5870. 5880. 5890. 5900. 5910. 5920. 5930. 5940. 5950. 5960. 5970. 5980. 5990. 6000. 6010. 6020. 6030. 6040. 6050. 6060. 6070. 6080. 6090. 6100. 6110. 6120. 6130. 6140. 6150. 6160. 6170. 6180. 6190. 6200. 6210. 6220. 6230. 6240. 6250. 6260. 6270. 6280. 6290. 6300. 6310. 6320. 6330. 6340. 6350. 6360. 6370. 6380. 6390. 6400. 6410. 6420. 6430. 6440. 6450. 6460. 6470. 6480. 6490. 6500. 6510. 6520. 6530. 6540. 6550. 6560. 6570. 6580. 6590. 6600. 6610. 6620. 6630. 6640. 6650. 6660. 6670. 6680. 6690. 6700. 6710. 6720. 6730. 6740. 6750. 6760. 6770. 6780. 6790. 6800. 6810. 6820. 6830. 6840. 6850. 6860. 6870. 6880. 6890. 6900. 6910. 6920. 6930. 6940. 6950. 6960 | |
|--------|--|----------|--|--|--|
|--------|--|----------|--|--|--|

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 7102 | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|--------------------|--|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|
| | | FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| NO EGA | | 50 | 54.2 | 58.8 | 61.7 | 62.9 | 64.2 | 65.7 | 67.9 | 69.4 | 70.2 | 73.4 | 78.0 | 78.7 | 76.3 | | | | |
| SIDELINE 2400. FT. | | 63 | 55.7 | 61.6 | 61.0 | 64.0 | 67.0 | 68.0 | 68.5 | 70.5 | 72.5 | 75.9 | 80.6 | 81.2 | 78.5 | | | | |
| (731.52 M) | | 80 | 57.7 | 60.8 | 63.7 | 64.9 | 67.0 | 67.7 | 69.2 | 71.7 | 73.7 | 77.9 | 82.7 | 82.6 | 78.5 | | | | |
| NFA (1. RPM | | 100 | 58.4 | 61.1 | 63.4 | 65.2 | 67.0 | 69.5 | 70.0 | 72.5 | 74.9 | 79.6 | 82.7 | 82.6 | 78.5 | | | | |
| NFK (0. RAD/SEC) | | 125 | 59.4 | 62.8 | 64.4 | 66.7 | 68.5 | 70.2 | 71.7 | 73.2 | 76.7 | 80.6 | 82.2 | 82.5 | 77.8 | | | | |
| NFD (7500. RPM | | 160 | 60.5 | 63.7 | 65.3 | 67.9 | 69.9 | 71.4 | 72.4 | 75.1 | 77.3 | 81.2 | 82.3 | 80.8 | 76.8 | | | | |
| (785. RAD/SEC) | | 200 | 62.1 | 65.1 | 67.0 | 68.8 | 70.5 | 72.1 | 73.6 | 75.6 | 77.8 | 80.7 | 81.9 | 79.1 | 75.7 | | | | |
| AIRFLOW RATIO | | 250 | 61.7 | 64.7 | 67.9 | 69.7 | 71.0 | 72.8 | 73.8 | 76.5 | 79.4 | 81.0 | 80.2 | 78.9 | 74.8 | | | | |
| WF/MW 4.63 | | 315 | 62.0 | 65.8 | 67.3 | 69.4 | 71.7 | 73.2 | 73.7 | 75.9 | 79.0 | 80.6 | 79.8 | 78.3 | 75.0 | | | | |
| VEHICLE | | 400 | 61.8 | 65.2 | 67.8 | 69.4 | 71.7 | 72.2 | 74.2 | 77.1 | 79.0 | 79.6 | 78.9 | 78.5 | 73.7 | | | | |
| CONFIG NC53 | | 500 | 62.9 | 65.7 | 68.0 | 69.6 | 71.0 | 72.5 | 74.2 | 76.4 | 79.2 | 78.8 | 78.0 | 78.5 | 72.1 | | | | |
| LOC C41 ANECH CH | | 630 | 61.7 | 65.6 | 68.3 | 69.9 | 71.3 | 72.3 | 74.3 | 76.9 | 78.8 | 78.4 | 77.6 | 77.6 | 70.5 | | | | |
| DATE 06-08-76 | | 800 | 59.9 | 63.7 | 66.4 | 68.9 | 71.3 | 72.1 | 73.3 | 76.7 | 77.4 | 77.0 | 76.3 | 75.5 | 66.9 | | | | |
| RUN CONF7TEMPDEP | | 1000 | 58.4 | 62.9 | 65.0 | 67.6 | 70.2 | 72.0 | 73.2 | 75.3 | 76.5 | 75.0 | 75.1 | 72.7 | 64.4 | | | | |
| TAPE X71020 | | 1250 | 57.0 | 61.7 | 64.0 | 66.6 | 69.3 | 71.4 | 73.3 | 74.6 | 75.2 | 73.1 | 72.7 | 70.6 | 62.0 | | | | |
| FAN TIP SPEED | | 1600 | 54.0 | 59.6 | 61.5 | 65.5 | 68.3 | 70.1 | 72.0 | 73.0 | 73.0 | 71.5 | 70.0 | 67.4 | 57.5 | | | | |
| FT/SEC | | 2000 | 50.1 | 57.1 | 59.8 | 62.9 | 67.0 | 67.6 | 69.5 | 71.2 | 71.3 | 67.8 | 66.4 | 64.1 | 52.0 | | | | |
| | | 2500 | 45.5 | 52.7 | 55.8 | 59.6 | 62.7 | 64.6 | 66.5 | 67.5 | 67.0 | 63.2 | 61.0 | 58.1 | 44.2 | | | | |
| | | 3150 | 39.0 | 47.6 | 51.3 | 55.9 | 59.0 | 59.9 | 62.5 | 62.2 | 62.3 | 57.3 | 54.6 | 49.8 | 33.3 | | | | |
| | | 4000 | 28.9 | 38.6 | 43.6 | 48.1 | 53.4 | 52.9 | 55.4 | 53.9 | 54.6 | 47.6 | 43.0 | 36.3 | 15.0 | | | | |
| | | 5000 | 22.6 | 33.6 | 38.1 | 43.6 | 47.5 | 47.9 | 48.5 | 48.7 | 49.9 | 41.2 | 37.3 | 26.3 | 4.3 | | | | |
| | | 6300 | 7.8 | 21.1 | 28.1 | 34.0 | 38.4 | 38.7 | 40.1 | 38.0 | 37.4 | 27.8 | 21.7 | 10.9 | | | | | |
| | | 8000 | 1.4 | 12.0 | 18.5 | 22.4 | 23.5 | 24.1 | 22.0 | 19.7 | 9.3 | | | | | | | | |
| | | 10000 | | | | 0.9 | 1.6 | 0.2 | | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | | | | | | | |
| | | 16000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 72.1 | 75.7 | 77.9 | 80.0 | 82.1 | 83.5 | 84.9 | 87.2 | 89.2 | 90.7 | 91.9 | 91.3 | 87.2 | | | | | |
| PNDB | | 76.9 | 81.1 | 83.7 | 86.6 | 89.5 | 90.7 | 92.5 | 94.1 | 95.2 | 95.3 | 95.1 | 94.1 | 88.3 | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **7102** ACUSTIC RANGE **731.5m(2400ft.)** SIDELINE **731.5m(513in)** SIZE **FULL-33m²(513in²)**

PROC. DATE - MONTH 8 DAY 26 HR. 18.5
MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | |
|--------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|-------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | O. | C. | G. | O. | P/L |
| FREQ. | NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) |
| 50 | 63 | | | | | | | | | | | | | | | | | | |
| 80 | 100 | 81.1 | 89.7 | 87.4 | 88.7 | 89.8 | 89.9 | 90.8 | 91.2 | 92.2 | 93.7 | 96.9 | 97.6 | 100.4 | | | | | 134.9 |
| 125 | 125 | 78.6 | 83.4 | 84.9 | 87.2 | 88.7 | 90.6 | 90.5 | 91.4 | 93.4 | 88.9 | 97.4 | 100.1 | 101.1 | | | | | 135.3 |
| 160 | 160 | 78.9 | 81.9 | 86.2 | 85.5 | 86.9 | 86.7 | 86.5 | 86.5 | 86.5 | 94.5 | 99.2 | 101.1 | 103.4 | | | | | 136.1 |
| 200 | 200 | 81.3 | 82.3 | 83.8 | 85.6 | 86.9 | 87.5 | 88.4 | 91.1 | 93.5 | 97.1 | 101.2 | 106.0 | 107.8 | | | | | 139.7 |
| 250 | 250 | 80.8 | 84.3 | 85.8 | 85.6 | 87.2 | 88.6 | 90.5 | 92.6 | 94.3 | 98.9 | 105.6 | 108.0 | 109.3 | | | | | 142.0 |
| 315 | 315 | 82.2 | 86.4 | 88.9 | 87.7 | 90.1 | 90.9 | 91.6 | 94.0 | 96.7 | 101.3 | 107.0 | 110.4 | 111.2 | | | | | 143.9 |
| 400 | 400 | 84.2 | 86.0 | 88.2 | 87.8 | 89.8 | 91.0 | 91.6 | 95.0 | 97.0 | 103.5 | 109.5 | 112.4 | 112.0 | | | | | 145.7 |
| 500 | 500 | 85.3 | 86.0 | 87.5 | 88.3 | 90.2 | 92.0 | 92.9 | 95.8 | 99.0 | 105.6 | 109.8 | 113.0 | 111.8 | | | | | 146.2 |
| 630 | 630 | 85.9 | 87.9 | 88.6 | 89.9 | 91.3 | 93.1 | 94.5 | 97.2 | 100.6 | 106.0 | 109.4 | 112.9 | 111.6 | | | | | 146.2 |
| 800 | 800 | 87.9 | 89.4 | 89.9 | 91.7 | 92.8 | 94.4 | 95.8 | 98.4 | 102.2 | 107.0 | 109.4 | 111.9 | 111.7 | | | | | 149.2 |
| 1000 | 1000 | 90.0 | 90.7 | 92.2 | 93.0 | 94.1 | 95.2 | 96.6 | 99.3 | 102.2 | 107.1 | 108.5 | 110.2 | 110.5 | | | | | 145.4 |
| 1250 | 1250 | 90.3 | 91.1 | 93.1 | 93.9 | 94.2 | 96.1 | 97.2 | 100.4 | 103.8 | 107.2 | 107.9 | 110.3 | 110.8 | | | | | 145.8 |
| 1600 | 1600 | 90.6 | 92.2 | 92.2 | 93.7 | 94.6 | 96.7 | 97.6 | 100.5 | 104.2 | 107.3 | 108.2 | 110.4 | 110.7 | | | | | 145.7 |
| 2000 | 2000 | 92.2 | 92.5 | 93.5 | 93.8 | 95.4 | 96.5 | 98.6 | 101.8 | 104.2 | 107.1 | 107.8 | 111.2 | 110.0 | | | | | 145.9 |
| 2500 | 2500 | 94.0 | 93.6 | 94.3 | 95.1 | 96.0 | 97.1 | 98.5 | 101.4 | 105.3 | 106.2 | 107.1 | 111.0 | 109.3 | | | | | 146.1 |
| 3150 | 3150 | 93.0 | 94.1 | 95.1 | 95.9 | 96.9 | 97.3 | 98.7 | 102.4 | 104.8 | 106.4 | 107.9 | 111.8 | 108.6 | | | | | 145.3 |
| 4000 | 4000 | 91.0 | 92.6 | 93.6 | 95.4 | 97.0 | 97.6 | 98.5 | 102.6 | 104.9 | 106.0 | 107.4 | 110.1 | 105.1 | | | | | 145.0 |
| 5000 | 5000 | 90.9 | 92.5 | 93.2 | 95.0 | 96.3 | 98.2 | 99.1 | 102.8 | 104.2 | 105.3 | 107.0 | 109.4 | 105.5 | | | | | 144.6 |
| 6300 | 6300 | 90.5 | 92.3 | 93.3 | 94.3 | 96.4 | 98.0 | 100.4 | 102.1 | 104.1 | 104.0 | 106.1 | 108.8 | 105.5 | | | | | 144.2 |
| 8000 | 8000 | 89.5 | 91.6 | 92.2 | 94.7 | 96.5 | 98.1 | 99.2 | 102.2 | 104.2 | 103.6 | 105.0 | 107.3 | 104.6 | | | | | 143.7 |
| 10000 | 10000 | 88.2 | 91.5 | 91.9 | 93.4 | 96.4 | 97.0 | 98.9 | 101.4 | 103.4 | 102.1 | 103.2 | 106.8 | 104.5 | | | | | 142.3 |
| 12500 | 12500 | 86.1 | 89.6 | 91.0 | 92.7 | 94.2 | 95.4 | 98.0 | 98.8 | 101.0 | 99.7 | 101.1 | 104.1 | 102.6 | | | | | 141.5 |
| 16000 | 16000 | 83.7 | 87.7 | 89.4 | 91.6 | 93.9 | 93.7 | 96.9 | 97.1 | 100.4 | 97.7 | 99.3 | 103.0 | 101.2 | | | | | 139.3 |
| 20000 | 20000 | 80.9 | 84.0 | 85.9 | 88.5 | 92.3 | 91.6 | 94.0 | 93.6 | 97.2 | 94.5 | 95.1 | 99.0 | 98.4 | | | | | 137.2 |
| 25000 | 25000 | 78.3 | 81.9 | 83.0 | 85.6 | 87.8 | 88.3 | 89.0 | 90.7 | 94.0 | 90.7 | 93.5 | 93.8 | 94.9 | | | | | 136.9 |
| 31500 | 31500 | 76.1 | 79.5 | 81.7 | 83.9 | 85.9 | 85.9 | 87.3 | 87.9 | 90.8 | 87.1 | 89.8 | 93.7 | 91.6 | | | | | 136.1 |
| 40000 | 40000 | 71.1 | 75.5 | 78.7 | 80.4 | 82.2 | 81.5 | 83.0 | 82.9 | 86.5 | 84.4 | 86.2 | 89.0 | 88.8 | | | | | 136.1 |
| 50000 | 50000 | 65.3 | 69.1 | 73.4 | 74.1 | 76.2 | 75.3 | 74.8 | 76.0 | 79.7 | 78.2 | 80.8 | 82.3 | 81.3 | | | | | 133.9 |
| 63000 | 63000 | 60.0 | 63.6 | 69.6 | 67.9 | 72.9 | 68.6 | 66.1 | 69.4 | 73.3 | 73.0 | 76.5 | 74.6 | 75.1 | | | | | 134.5 |
| 80000 | 80000 | 55.9 | 60.4 | 68.0 | 62.6 | 69.4 | 63.5 | 64.0 | 62.2 | 68.3 | 70.7 | 72.4 | 70.2 | 69.1 | | | | | 139.7 |
| OVERALL MEASURED | | 102.5 | 104.0 | 105.0 | 106.2 | 107.8 | 108.9 | 110.5 | 113.1 | 115.8 | 118.0 | 120.3 | 123.3 | 123.4 | | | | | 159.2 |
| OVERALL CALCULATED | | 115.7 | 117.1 | 118.1 | 119.1 | 120.4 | 121.4 | 122.7 | 125.9 | 128.4 | 130.4 | 132.4 | 135.4 | 135.4 | | | | | |
| PNDB | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7103 ACOUSTIC RANGE MODEL-154cm² (23.9in²)
 SIZE 12.2m(40ft.) ARC

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT HUMIDITY)
 ANGLES FROM INLET IN DEGREES (AND RADIANs)

625

PROC. DATE - MONTH 8 DAY 26 HR. 18.5

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--------|--------------------|------------|--------------|------------------|------------------|-------------|----------------|---------------|------------|----------------|-------------|------------------|---------------|------------------|-------------|---------------|--------|--------------------|-------|-------|-------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | | | | | |
| | | (0.70)(C.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.17)(3.34)(3.51)(3.68)(3.85)(4.02)(4.19)(4.36)(4.53)(4.70)(4.87)(5.04)(5.21)(5.38)(5.55)(5.72)(5.89)(6.06)(6.23)(6.40)(6.57)(6.74)(6.91)(7.08)(7.25)(7.42)(7.59)(7.76)(7.93)(8.10)(8.27)(8.44)(8.61)(8.78)(8.95)(9.12)(9.29)(9.46)(9.63)(9.80)(9.97)(10.14)(10.31)(10.48)(10.65)(10.82)(10.99)(11.16)(11.33)(11.50)(11.67)(11.84)(12.01)(12.18)(12.35)(12.52)(12.69)(12.86)(13.03)(13.20)(13.37)(13.54)(13.71)(13.88)(14.05)(14.22)(14.39)(14.56)(14.73)(14.90)(15.07)(15.24)(15.41)(15.58)(15.75)(15.92)(16.09)(16.26)(16.43)(16.60)(16.77)(16.94)(17.11)(17.28)(17.45)(17.62)(17.79)(17.96)(18.13)(18.30)(18.47)(18.64)(18.81)(18.98)(19.15)(19.32)(19.49)(19.66)(19.83)(20.00)(20.17)(20.34)(20.51)(20.68)(20.85)(21.02)(21.19)(21.36)(21.53)(21.70)(21.87)(22.04)(22.21)(22.38)(22.55)(22.72)(22.89)(23.06)(23.23)(23.40)(23.57)(23.74)(23.91)(24.08)(24.25)(24.42)(24.59)(24.76)(24.93)(25.10)(25.27)(25.44)(25.61)(25.78)(25.95)(26.12)(26.29)(26.46)(26.63)(26.80)(26.97)(27.14)(27.31)(27.48)(27.65)(27.82)(27.99)(28.16)(28.33)(28.50)(28.67)(28.84)(29.01)(29.18)(29.35)(29.52)(29.69)(29.86)(30.03)(30.20)(30.37)(30.54)(30.71)(30.88)(31.05)(31.22)(31.39)(31.56)(31.73)(31.90)(32.07)(32.24)(32.41)(32.58)(32.75)(32.92)(33.09)(33.26)(33.43)(33.60)(33.77)(33.94)(34.11)(34.28)(34.45)(34.62)(34.79)(34.96)(35.13)(35.30)(35.47)(35.64)(35.81)(35.98)(36.15)(36.32)(36.49)(36.66)(36.83)(37.00)(37.17)(37.34)(37.51)(37.68)(37.85)(38.02)(38.19)(38.36)(38.53)(38.70)(38.87)(39.04)(39.21)(39.38)(39.55)(39.72)(39.89)(40.06)(40.23)(40.40)(40.57)(40.74)(40.91)(41.08)(41.25)(41.42)(41.59)(41.76)(41.93)(42.10)(42.27)(42.44)(42.61)(42.78)(42.95)(43.12)(43.29)(43.46)(43.63)(43.80)(43.97)(44.14)(44.31)(44.48)(44.65)(44.82)(44.99)(45.16)(45.33)(45.50)(45.67)(45.84)(46.01)(46.18)(46.35)(46.52)(46.69)(46.86)(47.03)(47.20)(47.37)(47.54)(47.71)(47.88)(48.05)(48.22)(48.39)(48.56)(48.73)(48.90)(49.07)(49.24)(49.41)(49.58)(49.75)(49.92)(50.09)(50.26)(50.43)(50.60)(50.77)(50.94)(51.11)(51.28)(51.45)(51.62)(51.79)(51.96)(52.13)(52.30)(52.47)(52.64)(52.81)(52.98)(53.15)(53.32)(53.49)(53.66)(53.83)(54.00)(54.17)(54.34)(54.51)(54.68)(54.85)(55.02)(55.19)(55.36)(55.53)(55.70)(55.87)(56.04)(56.21)(56.38)(56.55)(56.72)(56.89)(57.06)(57.23)(57.40)(57.57)(57.74)(57.91)(58.08)(58.25)(58.42)(58.59)(58.76)(58.93)(59.10)(59.27)(59.44)(59.61)(59.78)(59.95)(60.12)(60.29)(60.46)(60.63)(60.80)(60.97)(61.14)(61.31)(61.48)(61.65)(61.82)(61.99)(62.16)(62.33)(62.50)(62.67)(62.84)(63.01)(63.18)(63.35)(63.52)(63.69)(63.86)(64.03)(64.20)(64.37)(64.54)(64.71)(64.88)(65.05)(65.22)(65.39)(65.56)(65.73)(65.90)(66.07)(66.24)(66.41)(66.58)(66.75)(66.92)(67.09)(67.26)(67.43)(67.60)(67.77)(67.94)(68.11)(68.28)(68.45)(68.62)(68.79)(68.96)(69.13)(69.30)(69.47)(69.64)(69.81)(69.98)(70.15)(70.32)(70.49)(70.66)(70.83)(71.00)(71.17)(71.34)(71.51)(71.68)(71.85)(72.02)(72.19)(72.36)(72.53)(72.70)(72.87)(73.04)(73.21)(73.38)(73.55)(73.72)(73.89)(74.06)(74.23)(74.40)(74.57)(74.74)(74.91)(75.08)(75.25)(75.42)(75.59)(75.76)(75.93)(76.10)(76.27)(76.44)(76.61)(76.78)(76.95)(77.12)(77.29)(77.46)(77.63)(77.80)(77.97)(78.14)(78.31)(78.48)(78.65)(78.82)(78.99)(79.16)(79.33)(79.50)(79.67)(79.84)(79.99)(80.16)(80.33)(80.50)(80.67)(80.84)(81.01)(81.18)(81.35)(81.52)(81.69)(81.86)(82.03)(82.20)(82.37)(82.54)(82.71)(82.88)(83.05)(83.22)(83.39)(83.56)(83.73)(83.90)(84.07)(84.24)(84.41)(84.58)(84.75)(84.92)(85.09)(85.26)(85.43)(85.60)(85.77)(85.94)(86.11)(86.28)(86.45)(86.62)(86.79)(86.96)(87.13)(87.30)(87.47)(87.64)(87.81)(87.98)(88.15)(88.32)(88.49)(88.66)(88.83)(89.00)(89.17)(89.34)(89.51)(89.68)(89.85)(89.99)(90.16)(90.33)(90.50)(90.67)(90.84)(91.01)(91.18)(91.35)(91.52)(91.69)(91.86)(92.03)(92.20)(92.37)(92.54)(92.71)(92.88)(93.05)(93.22)(93.39)(93.56)(93.73)(93.90)(94.07)(94.24)(94.41)(94.58)(94.75)(94.92)(95.09)(95.26)(95.43)(95.60)(95.77)(95.94)(96.11)(96.28)(96.45)(96.62)(96.79)(96.96)(97.13)(97.30)(97.47)(97.64)(97.81)(97.98)(98.15)(98.32)(98.49)(98.66)(98.83)(99.00)(99.17)(99.34)(99.51)(99.68)(99.85)(100.02)(100.19)(100.36)(100.53)(100.70)(100.87)(101.04)(101.21)(101.38)(101.55)(101.72)(101.89)(102.06)(102.23)(102.40)(102.57)(102.74)(102.91)(103.08)(103.25)(103.42)(103.59)(103.76)(103.93)(104.10)(104.27)(104.44)(104.61)(104.78)(104.95)(105.12)(105.29)(105.46)(105.63)(105.80)(105.97)(106.14)(106.31)(106.48)(106.65)(106.82)(106.99)(107.16)(107.33)(107.50)(107.67)(107.84)(108.01)(108.18)(108.35)(108.52)(108.69)(108.86)(109.03)(109.20)(109.37)(109.54)(109.71)(109.88)(110.05)(110.22)(110.39)(110.56)(110.73)(110.90)(111.07)(111.24)(111.41)(111.58)(111.75)(111.92)(112.09)(112.26)(112.43)(112.60)(112.77)(112.94)(113.11)(113.28)(113.45)(113.62)(113.79)(113.96)(114.13)(114.30)(114.47)(114.64)(114.81)(114.98)(115.15)(115.32)(115.49)(115.66)(115.83)(116.00)(116.17)(116.34)(116.51)(116.68)(116.85)(117.02)(117.19)(117.36)(117.53)(117.70)(117.87)(118.04)(118.21)(118.38)(118.55)(118.72)(118.89)(119.06)(119.23)(119.40)(119.57)(119.74)(119.91)(120.08)(120.25)(120.42)(120.59)(120.76)(120.93)(121.10)(121.27)(121.44)(121.61)(121.78)(121.95)(122.12)(122.29)(122.46)(122.63)(122.80)(122.97)(123.14)(123.31)(123.48)(123.65)(123.82)(123.99)(124.16)(124.33)(124.50)(124.67)(124.84)(125.01)(125.18)(125.35)(125.52)(125.69)(125.86)(126.03)(126.20)(126.37)(126.54)(126.71)(126.88)(127.05)(127.22)(127.39)(127.56)(127.73)(127.90)(128.07)(128.24)(128.41)(128.58)(128.75)(128.92)(129.09)(129.26)(129.43)(129.60)(129.77)(129.94)(130.11)(130.28)(130.45)(130.62)(130.79)(130.96)(131.13)(131.30)(131.47)(131.64)(131.81)(131.98)(132.15)(132.32)(132.49)(132.66)(132.83)(133.00)(133.17)(133.34)(133.51)(133.68)(133.85)(134.02)(134.19)(134.36)(134.53)(134.70)(134.87)(135.04)(135.21)(135.38)(135.55)(135.72)(135.89)(136.06)(136.23)(136.40)(136.57)(136.74)(136.91)(137.08)(137.25)(137.42)(137.59)(137.76)(137.93)(138.10)(138.27)(138.44)(138.61)(138.78)(138.95)(139.12)(139.29)(139.46)(139.63)(139.80)(139.97)(140.14)(140.31)(140.48)(140.65)(140.82)(140.99)(141.16)(141.33)(141.50)(141.67)(141.84)(142.01)(142.18)(142.35)(142.52)(142.69)(142.86)(143.03)(143.20)(143.37)(143.54)(143.71)(143.88)(144.05)(144.22)(144.39)(144.56)(144.73)(144.90)(145.07)(145.24)(145.41)(145.58)(145.75)(145.92)(146.09)(146.26)(146.43)(146.60)(146.77)(146.94)(147.11)(147.28)(147.45)(147.62)(147.79)(147.96)(148.13)(148.30)(148.47)(148.64)(148.81)(148.98)(149.15)(149.32)(149.49)(149.66)(149.83)(149.99)(150.16)(150.33)(150.50)(150.67)(150.84)(151.01)(151.18)(151.35)(151.52)(151.69)(151.86)(152.03)(152.20)(152.37)(152.54)(152.71)(152.88)(153.05)(153.22)(153.39)(153.56)(153.73)(153.90)(154.07)(154.24)(154.41)(154.58)(154.75)(154.92)(155.09)(155.26)(155.43)(155.60)(155.77)(155.94)(156.11)(156.28)(156.45)(156.62)(156.79)(156.96)(157.13)(157.30)(157.47)(157.64)(157.81)(157.98)(158.15)(158.32)(158.49)(158.66)(158.83)(159.00)(159.17)(159.34)(159.51)(159.68)(159.85)(160.02)(160.19)(160.36)(160.53)(160.70)(160.87)(161.04)(161.21)(161.38)(161.55)(161.72)(161.89)(162.06)(162.23)(162.40)(162.57)(162.74)(162.91)(163.08)(163.25)(163.42)(163.59)(163.76)(163.93)(164.10)(164.27)(164.44)(164.61)(164.78)(164.95)(165.12)(165.29)(165.46)(165.63)(165.80)(165.97)(166.14)(166.31)(166.48)(166.65)(166.82)(166.99)(167.16)(167.33)(167.50)(167.67)(167.84)(168.01)(168.18)(168.35)(168.52)(168.69)(168.86)(169.03)(169.20)(169.37)(169.54)(169.71)(169.88)(170.05)(170.22)(170.39)(170.56)(170.73)(170.90)(171.07)(171.24)(171.41)(171.58)(171.75)(171.92)(172.09)(172.26)(172.43)(172.60)(172.77)(172.94)(173.11)(173.28)(173.45)(173.62)(173.79)(173.96)(174.13)(174.30)(174.47)(174.64)(174.81)(174.98)(175.15)(175.32)(175.49)(175.66)(175.83)(176.00)(176.17)(176.34)(176.51)(176.68)(176.85)(177.02)(177.19)(177.36)(177.53)(177.70)(177.87)(178.04)(178.21)(178.38)(178.55)(178.72)(178.89)(179.06)(179.23)(179.40)(179.57)(179.74)(179.91)(180.08)(180.25)(180.42)(180.59)(180.76)(180.93)(181.10)(181.27)(181.44)(181.61)(181.78)(181.95)(182.12)(182.29)(182.46)(182.63)(182.80)(182.97)(183.14)(183.31)(183.48)(183.65)(183.82)(183.99)(184.16)(184.33)(184.50)(184.67)(184.84)(185.01)(185.18)(185.35)(185.52)(185.69)(185.86)(186.03)(186.20)(186.37)(186.54)(186.71)(186.88)(187.05)(187.22)(187.39)(187.56)(187.73)(187.90)(188.07)(188.24)(188.41)(188.58)(188.75)(188.92)(189.09)(189.26)(189.43)(189.60)(189.77)(189.94)(190.11)(190.28)(190.45)(190.62)(190.79)(190.96)(191.13)(191.30)(191.47)(191.64)(191.81)(191.98)(192.15)(192.32)(192.49)(192.66)(192.83)(193.00)(193.17)(193.34)(193.51)(193.68)(193.85)(194.02)(194.19)(194.36)(194.53)(194.70)(194.87)(195.04)(195.21)(195.38)(195.55)(195.72)(195.89)(196.06)(196.23)(196.40)(196.57)(196.74)(196.91)(197.08)(197.25)(197.42)(197.59)(197.76)(197.93)(198.10)(198.27)(198.44)(198.61)(198.78)(198.95)(199.12)(199.29)(199.46)(199.63)(199.80)(200.00) | NO EGA | SIDELINE 2400. FT. | (731.52 M) | NFA (1. RPM | NFK (0. RAD/SEC | NFD (0. RAD/SEC | (7500. RPM | (785. RAD/SEC | AIRFLOW RATIO | WF/WM 4.63 | VEHICLE CELL41 | CONFIG NCS3 | LOC C41 ANECH CH | DATE 06-08-76 | RUN CONF7TEMPOEP | TAPE X71030 | FAN TIP SPEED | FT/SEC | OVERALL CALCULATED | 10000 | 12500 | 15000 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7103 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | PUL |
|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|----|------|------|
| | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0. |) | (0.) | (0.) |

| RDG. NO. | NO. 0. | NO. 63 | NO. 80 | NO. 100 | NO. 125 | NO. 160 | NO. 200 | NO. 250 | NO. 315 | NO. 400 | NO. 500 | NO. 630 | NO. 800 | NO. 1000 | NO. 1250 | NO. 1600 | NO. 2000 | NO. 2500 | NO. 3150 | NO. 4000 | NO. 5000 | NO. 6300 | NO. 8000 | NO. 10000 | NO. 12500 | NO. 16000 | NO. 20000 | NO. 25000 | NO. 31500 | NO. 40000 | NO. 50000 | NO. 63000 | NO. 80000 | NO. 100000 | NO. 125000 | NO. 160000 | NO. 200000 | NO. 250000 | NO. 315000 | NO. 400000 | NO. 500000 | NO. 630000 | NO. 800000 | NO. 1000000 | NO. 1250000 | NO. 1600000 | NO. 2000000 | NO. 2500000 | NO. 3150000 | NO. 4000000 | NO. 5000000 | NO. 6300000 | NO. 8000000 | NO. 10000000 | NO. 12500000 | NO. 16000000 | NO. 20000000 | NO. 25000000 | NO. 31500000 | NO. 40000000 | NO. 50000000 | NO. 63000000 | NO. 80000000 | NO. 100000000 | NO. 125000000 | NO. 160000000 | NO. 200000000 | NO. 250000000 | NO. 315000000 | NO. 400000000 | NO. 500000000 | NO. 630000000 | NO. 800000000 | NO. 1000000000 | NO. 1250000000 | NO. 1600000000 | NO. 2000000000 | NO. 2500000000 | NO. 3150000000 | NO. 4000000000 | NO. 5000000000 | NO. 6300000000 | NO. 8000000000 | NO. 10000000000 | NO. 12500000000 | NO. 16000000000 | NO. 20000000000 | NO. 25000000000 | NO. 31500000000 | NO. 40000000000 | NO. 50000000000 | NO. 63000000000 | NO. 80000000000 | NO. 100000000000 | NO. 125000000000 | NO. 160000000000 | NO. 200000000000 | NO. 250000000000 | NO. 315000000000 | NO. 400000000000 | NO. 500000000000 | NO. 630000000000 | NO. 800000000000 | NO. 1000000000000 | NO. 1250000000000 | NO. 1600000000000 | NO. 2000000000000 | NO. 2500000000000 | NO. 3150000000000 | NO. 4000000000000 | NO. 5000000000000 | NO. 6300000000000 | NO. 8000000000000 | NO. 10000000000000 | NO. 12500000000000 | NO. 16000000000000 | NO. 20000000000000 | NO. 25000000000000 | NO. 31500000000000 | NO. 40000000000000 | NO. 50000000000000 | NO. 63000000000000 | NO. 80000000000000 | NO. 100000000000000 | NO. 125000000000000 | NO. 160000000000000 | NO. 200000000000000 | NO. 250000000000000 | NO. 315000000000000 | NO. 400000000000000 | NO. 500000000000000 | NO. 630000000000000 | NO. 800000000000000 | NO. 1000000000000000 | NO. 1250000000000000 | NO. 1600000000000000 | NO. 2000000000000000 | NO. 2500000000000000 | NO. 3150000000000000 | NO. 4000000000000000 | NO. 5000000000000000 | NO. 6300000000000000 | NO. 8000000000000000 | NO. 10000000000000000 | NO. 12500000000000000 | NO. 16000000000000000 | NO. 20000000000000000 | NO. 25000000000000000 | NO. 31500000000000000 | NO. 40000000000000000 | NO. 50000000000000000 | NO. 63000000000000000 | NO. 80000000000000000 | NO. 100000000000000000 | NO. 125000000000000000 | NO. 160000000000000000 | NO. 200000000000000000 | NO. 250000000000000000 | NO. 315000000000000000 | NO. 400000000000000000 | NO. 500000000000000000 | NO. 630000000000000000 | NO. 800000000000000000 | NO. 1000000000000000000 | NO. 1250000000000000000 | NO. 1600000000000000000 | NO. 2000000000000000000 | NO. 2500000000000000000 | NO. 3150000000000000000 | NO. 4000000000000000000 | NO. 5000000000000000000 | NO. 6300000000000000000 | NO. 8000000000000000000 | NO. 10000000000000000000 | NO. 12500000000000000000 | NO. 16000000000000000000 | NO. 20000000000000000000 | NO. 25000000000000000000 | NO. 31500000000000000000 | NO. 40000000000000000000 | NO. 50000000000000000000 | NO. 63000000000000000000 | NO. 80000000000000000000 | NO. 100000000000000000000 | NO. 125000000000000000000 | NO. 160000000000000000000 | NO. 200000000000000000000 | NO. 250000000000000000000 | NO. 315000000000000000000 | NO. 400000000000000000000 | NO. 500000000000000000000 | NO. 630000000000000000000 | NO. 800000000000000000000 | NO. 1000000000000000000000 | NO. 1250000000000000 |
|----------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------|
|----------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------|

Q38113 3316 11043000

OVERALL CALCULATED

2.

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 7 | 7104 | 12.2m(40ft.) ARC |

SIZE

MODEL-154cm²(23.9in²)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | |
|------------------|--------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | (0.72) | (1.25) | (1.42) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) | (3.32) |
| NO EGA | 50 | 82.4 | 85.2 | 86.7 | 86.7 | 86.7 | 88.1 | 89.1 | 90.7 | 91.3 | 92.7 | 94.1 | 95.4 | 96.8 |
| RDG. NO. | 63 | 83.2 | 87.8 | 86.8 | 88.1 | 90.7 | 91.3 | 92.7 | 94.1 | 95.4 | 96.8 | 98.1 | 99.5 | 100.8 |
| C. | 82 | 85.8 | 87.5 | 89.1 | 89.3 | 90.4 | 91.8 | 93.4 | 94.8 | 96.2 | 97.6 | 99.0 | 100.4 | 101.8 |
| RADIAL 150. FT. | 100 | 86.4 | 87.6 | 89.1 | 89.9 | 91.3 | 93.6 | 94.3 | 95.9 | 97.6 | 99.3 | 101.0 | 102.7 | 104.4 |
| (46. M) | 125 | 87.2 | 88.7 | 89.7 | 90.8 | 92.9 | 94.0 | 96.1 | 97.5 | 99.0 | 100.5 | 102.0 | 103.5 | 105.0 |
| VEHICLE | 160 | 89.7 | 90.5 | 91.0 | 92.0 | 93.9 | 95.2 | 97.1 | 98.5 | 100.3 | 101.8 | 103.4 | 105.0 | 106.6 |
| CONFIG | 200 | 90.5 | 92.1 | 93.3 | 93.6 | 94.2 | 96.3 | 98.2 | 99.4 | 100.8 | 102.4 | 104.0 | 105.6 | 107.2 |
| LOC C41 ANECH CH | 250 | 90.1 | 92.2 | 93.7 | 94.2 | 95.1 | 96.7 | 98.1 | 99.4 | 100.2 | 101.4 | 102.6 | 103.8 | 105.0 |
| DATE 06-10-76 | 315 | 90.2 | 92.8 | 93.8 | 94.1 | 95.4 | 97.8 | 98.4 | 99.8 | 101.4 | 103.0 | 104.6 | 106.2 | 107.8 |
| RUN. CONFTMPDEP | 400 | 90.5 | 92.1 | 93.8 | 94.1 | 96.0 | 97.3 | 99.2 | 101.4 | 103.8 | 106.2 | 108.6 | 111.0 | 113.4 |
| TAPE | 500 | 90.7 | 92.2 | 94.2 | 94.5 | 96.1 | 97.5 | 99.3 | 101.0 | 103.2 | 105.4 | 107.6 | 109.8 | 112.0 |
| BAR 29.4 HG | 630 | 90.9 | 92.7 | 93.7 | 94.5 | 96.6 | 97.5 | 99.6 | 101.5 | 103.2 | 105.6 | 107.8 | 109.7 | 111.2 |
| (99246. N/M2) | 800 | 90.2 | 91.8 | 93.1 | 93.8 | 95.7 | 97.5 | 99.2 | 101.6 | 104.3 | 107.2 | 110.1 | 112.8 | 115.5 |
| TAMB 68. DEG F | 1000 | 89.4 | 91.4 | 93.2 | 94.7 | 95.8 | 97.9 | 99.1 | 101.5 | 104.0 | 106.5 | 109.0 | 111.5 | 114.0 |
| (293. DEG K) | 1250 | 89.3 | 91.1 | 92.4 | 93.9 | 95.7 | 97.6 | 99.6 | 100.2 | 101.9 | 103.9 | 105.2 | 107.6 | 109.1 |
| TWET 63. DEG F | 1600 | 88.2 | 90.3 | 91.1 | 93.9 | 95.7 | 98.3 | 100.4 | 101.1 | 103.6 | 104.7 | 105.7 | 106.8 | 107.9 |
| (290. DEG K) | 2000 | 86.6 | 90.2 | 91.3 | 93.0 | 95.6 | 98.2 | 99.1 | 100.5 | 102.8 | 104.0 | 104.4 | 105.6 | 106.2 |
| HACT12.94 GH/M3 | 2500 | 84.8 | 88.3 | 89.7 | 91.4 | 94.2 | 95.3 | 98.7 | 99.3 | 101.2 | 101.7 | 102.6 | 103.1 | 104.6 |
| (.01294 KG/M3) | 3150 | 84.0 | 87.2 | 88.7 | 91.4 | 93.6 | 94.2 | 98.1 | 97.7 | 100.9 | 100.7 | 100.8 | 104.1 | 104.5 |
| PFREQ. SHIFT | 4000 | 81.9 | 85.5 | 87.6 | 89.5 | 92.5 | 93.1 | 96.7 | 95.3 | 98.3 | 97.4 | 97.5 | 100.2 | 101.1 |
| JET 7 | 5000 | 80.0 | 83.8 | 85.4 | 87.5 | 90.2 | 90.7 | 92.5 | 93.9 | 97.0 | 95.1 | 96.9 | 96.2 | 98.6 |
| DIAMETER RATIO | 6300 | 79.1 | 83.7 | 85.9 | 86.9 | 89.6 | 89.3 | 92.3 | 92.1 | 94.4 | 92.8 | 94.2 | 97.4 | 97.4 |
| DF/DW 4.63 | 8000 | 78.1 | 82.0 | 85.9 | 86.4 | 87.5 | 87.5 | 90.0 | 89.6 | 92.6 | 91.8 | 92.6 | 94.2 | 96.0 |
| | 10000 | 76.8 | 80.5 | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 7 | 7/04 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)
 ANGLES FROM INLET IN DEGREES (AND RADIAN) 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000. 1010. 1020. 1030. 1040. 1050. 1060. 1070. 1080. 1090. 1100. 1110. 1120. 1130. 1140. 1150. 1160. 1170. 1180. 1190. 1200. 1210. 1220. 1230. 1240. 1250. 1260. 1270. 1280. 1290. 1300. 1310. 1320. 1330. 1340. 1350. 1360. 1370. 1380. 1390. 1400. 1410. 1420. 1430. 1440. 1450. 1460. 1470. 1480. 1490. 1500. 1510. 1520. 1530. 1540. 1550. 1560. 1570. 1580. 1590. 1600. 1610. 1620. 1630. 1640. 1650. 1660. 1670. 1680. 1690. 1700. 1710. 1720. 1730. 1740. 1750. 1760. 1770. 1780. 1790. 1800. 1810. 1820. 1830. 1840. 1850. 1860. 1870. 1880. 1890. 1900. 1910. 1920. 1930. 1940. 1950. 1960. 1970. 1980. 1990. 2000. 2010. 2020. 2030. 2040. 2050. 2060. 2070. 2080. 2090. 2100. 2110. 2120. 2130. 2140. 2150. 2160. 2170. 2180. 2190. 2200. 2210. 2220. 2230. 2240. 2250. 2260. 2270. 2280. 2290. 2300. 2310. 2320. 2330. 2340. 2350. 2360. 2370. 2380. 2390. 2400. 2410. 2420. 2430. 2440. 2450. 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540. 2550. 2560. 2570. 2580. 2590. 2600. 2610. 2620. 2630. 2640. 2650. 2660. 2670. 2680. 2690. 2700. 2710. 2720. 2730. 2740. 2750. 2760. 2770. 2780. 2790. 2800. 2810. 2820. 2830. 2840. 2850. 2860. 2870. 2880. 2890. 2900. 2910. 2920. 2930. 2940. 2950. 2960. 2970. 2980. 2990. 3000. 3010. 3020. 3030. 3040. 3050. 3060. 3070. 3080. 3090. 3100. 3110. 3120. 3130. 3140. 3150. 3160. 3170. 3180. 3190. 3200. 3210. 3220. 3230. 3240. 3250. 3260. 3270. 3280. 3290. 3300. 3310. 3320. 3330. 3340. 3350. 3360. 3370. 3380. 3390. 3400. 3410. 3420. 3430. 3440. 3450. 3460. 3470. 3480. 3490. 3500. 3510. 3520. 3530. 3540. 3550. 3560. 3570. 3580. 3590. 3600. 3610. 3620. 3630. 3640. 3650. 3660. 3670. 3680. 3690. 3700. 3710. 3720. 3730. 3740. 3750. 3760. 3770. 3780. 3790. 3800. 3810. 3820. 3830. 3840. 3850. 3860. 3870. 3880. 3890. 3900. 3910. 3920. 3930. 3940. 3950. 3960. 3970. 3980. 3990. 4000. 4010. 4020. 4030. 4040. 4050. 4060. 4070. 4080. 4090. 4100. 4110. 4120. 4130. 4140. 4150. 4160. 4170. 4180. 4190. 4200. 4210. 4220. 4230. 4240. 4250. 4260. 4270. 4280. 4290. 4300. 4310. 4320. 4330. 4340. 4350. 4360. 4370. 4380. 4390. 4400. 4410. 4420. 4430. 4440. 4450. 4460. 4470. 4480. 4490. 4500. 4510. 4520. 4530. 4540. 4550. 4560. 4570. 4580. 4590. 4600. 4610. 4620. 4630. 4640. 4650. 4660. 4670. 4680. 4690. 4700. 4710. 4720. 4730. 4740. 4750. 4760. 4770. 4780. 4790. 4800. 4810. 4820. 4830. 4840. 4850. 4860. 4870. 4880. 4890. 4900. 4910. 4920. 4930. 4940. 4950. 4960. 4970. 4980. 4990. 5000. 5010. 5020. 5030. 5040. 5050. 5060. 5070. 5080. 5090. 5100. 5110. 5120. 5130. 5140. 5150. 5160. 5170. 5180. 5190. 5200. 5210. 5220. 5230. 5240. 5250. 5260. 5270. 5280. 5290. 5300. 5310. 5320. 5330. 5340. 5350. 5360. 5370. 5380. 5390. 5400. 5410. 5420. 5430. 5440. 5450. 5460. 5470. 5480. 5490. 5500. 5510. 5520. 5530. 5540. 5550. 5560. 5570. 5580. 5590. 5600. 5610. 5620. 5630. 5640. 5650. 5660. 5670. 5680. 5690. 5700. 5710. 5720. 5730. 5740. 5750. 5760. 5770. 5780. 5790. 5800. 5810. 5820. 5830. 5840. 5850. 5860. 5870. 5880. 5890. 5900. 5910. 5920. 5930. 5940. 5950. 5960. 5970. 5980. 5990. 6000. 6010. 6020. 6030. 6040. 6050. 6060. 6070. 6080. 6090. 6100. 6110. 6120. 6130. 6140. 6150. 6160. 6170. 6180. 6190. 6200. 6210. 6220. 6230. 6240. 6250. 6260. 6270. 6280. 6290. 6300. 6310. 6320. 6330. 6340. 6350. 6360. 6370. 6380. 6390. 6400. 6410. 6420. 6430. 6440. 6450. 6460. 6470. 6480. 6490. 6500. 6510. 6520. 6530. 6540. 6550. 6560. 6570. 6580. 6590. 6600. 6610. 6620. 6630. 6640. 6650. 6660. 6670. 6680. 6690. 6700. 6710. 6720. 6730. 6740. 6750. 6760. 6770. 6780. 6790. 6800. 6810. 6820. 6830. 6840. 6850. 6860. 6870. 6880. 6890. 6900. 6910. 6920. 6930. 6940. 6950. 6960. 6970. 6980. 6990. 7000. 7010. 7020. 7030. 7040. 7050. 7060. 7070. 7080. 7090. 7100. 7110. 7120. 7130. 7140. 7150. 7160. 7170. 7180. 7190. 7200. 7210. 7220. 7230. 7240. 7250. 7260. 7270. 7280. 7290. 7300. 7310. 7320. 7330. 7340. 7350. 7360. 7370. 7380. 7390. 7400. 7410. 7420. 7430. 7440. 7450. 7460. 7470. 7480. 7490. 7500. 7510. 7520. 7530. 7540. 7550. 7560. 7570. 7580. 7590. 7600. 7610. 7620. 7630. 7640. 7650. 7660. 7670. 7680. 7690. 7700. 7710. 7720. 7730. 7740. 7750. 7760. 7770. 7780. 7790. 7800. 7810. 7820. 7830. 7840. 7850. 7860. 7870. 7880. 7890. 7900. 7910. 7920. 7930. 7940. 7950. 7960. 7970. 7980. 7990. 8000. 8010. 8020. 8030. 8040. 8050. 8060. 8070. 8080. 8090. 8100. 8110. 8120. 8130. 8140. 8150. 8160. 8170. 8180. 8190. 8200. 8210. 8220. 8230. 8240. 8250. 8260. 8270. 8280. 8290. 8300. 8310. 8320. 8330. 8340. 8350. 8360. 8370. 8380. 8390. 8400. 8410. 8420. 8430. 8440. 8450. 8460. 8470. 8480. 8490. 8500. 8510. 8520. 8530. 8540. 8550. 8560. 8570. 8580. 8590. 8600. 8610. 8620. 8630. 8640. 8650. 8660. 8670. 8680. 8690. 8700. 8710. 8720. 8730. 8740. 8750. 8760. 8770. 8780. 8790. 8800. 8810. 8820. 8830. 8840. 8850. 8860. 8870. 8880. 8890. 8900. 8910. 8920. 8930. 8940. 8950. 8960. 8970. 8980. 8990. 9000. 9010. 9020. 9030. 9040. 9050. 9060. 9070. 9080. 9090. 9100. 9110. 9120. 9130. 9140. 9150. 9160. 9170. 9180. 9190. 9200. 9210. 9220. 9230. 9240. 9250. 9260. 9270. 9280. 9290. 9300. 9310. 9320. 9330. 9340. 9350. 9360. 9370. 9380. 9390. 9400. 9410. 9420. 9430. 9440. 9450. 9460. 9470. 9480. 9490. 9500. 9510. 9520. 9530. 9540. 9550. 9560. 9570. 9580. 9590. 9600. 9610. 9620. 9630. 9640. 9650. 9660. 9670. 9680. 9690. 9700. 9710. 9720. 9730. 9740. 9750. 9760. 9770. 9780. 9790. 9800. 9810. 9820. 9830. 9840. 9850. 9860. 9870. 9880. 9890. 9900. 9910. 9920. 9930. 9940. 9950. 9960. 9970. 9980. 9990. 10000. 10010. 10020. 10030. 10040. 10050. 10060. 10070. 10080. 10090. 10100. 10110. 10120. 10130. 10140. 10150. 10160. 10170. 10180. 10190. 10200. 10210. 10220. 10230. 10240. 10250. 10260. 10270. 10280. 10290. 10300. 10310. 10320. 10330. 10340. 10350. 10360. 10370. 10380. 10390. 10400. 10410. 10420. 10430. 10440. 10450. 10460. 10470. 10480. 10490. 10500. 10510. 10520. 10530. 10540. 10550. 10560. 10570. 10580. 10590. 10600. 10610. 10620. 10630. 10640. 10650. 10660. 10670. 10680. 10690. 10700. 10710. 10720. 10730. 10740. 10750. 10760. 10770. 10780. 10790. 10800. 10810. 10820. 10830. 10840. 10850. 10860. 10870. 10880. 10890. 10900. 10910. 10920. 10930. 10940. 10950. 10960. 10970. 10980. 10990. 11000. 11010. 11020. 11030. 11040. 11050. 11060. 11070. 11080. 11090. 11100. 11110. 11120. 11130. 11140. 11150. 11160. 11170. 11180. 11190. 11200. 11210. 11220. 11230. 11240. 11250. 11260. 11270. 11280. 11290. 11300. 11310. 11320. 11330. 11340. 11350. 11360. 11370. 11380. 11390. 11400. 11410. 11420. 11430. 11440. 11450. 11460. 11470. 11480. 11490. 11500. 11510. 11520. 11530. 11540. 11550. 11560. 11570. 11580. 11590. 11600. 11610. 11620. 11630. 11640. 11650. 11660. 11670. 11680. 11690. 11700. 11710. 11720. 11730. 11740. 11750. 11760. 11770. 11780. 11790. 11800. 11810. 11820. 11830. 11840. 11850. 11860. 11870. 11880. 11890. 11900. 11910. 11920. 11930. 11940. 11950. 11960. 11970. 11980. 11990. 12000. 12010. 12020. 12030. 12040. 12050. 12060. 12070. 12080. 12090. 12100. 12110. 12120. 12130. 12140. 12150. 12160. 12170. 12180. 12190. 12200. 12210. 12220. 12230. 12240. 12250. 12260. 12270. 12280. 12290. 12300. 12310. 12320. 12330. 12340. 12350. 12360. 12370. 12380. 12390. 12400. 12410. 12420. 12430. 12440. 12450. 12460. 12470. 12480. 12490. 12500. 12510. 12520. 12530. 12540. 12550. 12560. 12570. 12580. 12590. 12600. 12610. 12620. 12630. 12640. 12650. 12660. 12670. 12680. 12690. 12700. 12710. 12720. 12730. 12740. 12750. 12760. 12770. 12780. 12790. 12800. 12810. 12820. 12830. 12840. 12850. 12860. 12870. 12880. 12890. 12900. 12910. 12920. 12930. 12940. 12950. 12960. 12970. 12980. 12990. 13000. 13010. 13020. 13030. 13040. 13050. 13060. 13070. 13080. 13090. 13100. 13110. 13120. 13130. 13140. 13150. 13160. 13170. 13180. 13190. 13200. 13210. 13220. 13230. 13240. 13250. 13260. 13270. 13280. 13290. 13300. 13310. 13320. 13330. 13340. 13350. 13360. 13370. 13380. 13390. 13400. 13410. 13420. 13430. 13440. 13450. 13460. 13470. 13480. 13490. 13500. 13510. 13520. 13530. 13540. 13550. 13560. 13570. 13580. 13590. 13600. 13610. 13620. 13630. 13640. 13650. 13660. 13670. 13680. 13690. 13700. 13710. 13720. 13730. 13740. 13750. 13760. 13770. 13780. 13790. 13800. 13810. 13820. 13830. 13840. 13850. 13860. 13870. 13880. 13890. 13900. 13910. 13920. 13930. 13940. 13950. 13960. 13970. 13980. 13990. 14000. 14010. 14020. 14030. 14040. 14050. 14060. 14070. 14080. 14090. 14100. 14110. 14120. 14130. 14140. 14150. 14160. 14170. 14180. 14190. 14200. 14210. 14220. 14230. 14240. 14250. 14260. 14270. 14280. 14290. 14300. 14310. 14320. 14330. 14340. 14350. 14360. 14370. 14380. 14390. 14400. 14410. 14420. 14430. 14440. 14450. 14460. 14470. 14480. 14490. 14500. 14510. 14520. 14530. 14540. 14550. 14560. 14570. 14580. 14590. 14600. 14610. 14620. 14630. 14640. 14650. 14660. 14670. 14680. 14690. 14700. 14710. 14720. 14730. 14740. 14750. 14760. 14770. 14780. 14790. 14800. 14810. 14820. 14830. 14840. 14850. 14860. 14870. 14880. 14890. 14900. 14910. 14920. 14930. 14940. 14950. 14960. 14970. 14980. 14990. 15000. 15010. 15020. 15030. 15040. 15050. 15060. 15070. 15080. 15090. 15100. 15110. 15120. 15130. 15140. 15150. 15160. 15170. 15180. 15190. 15200. 15210. 15220. 15230. 15240. 15250. 15260. 15270. 15280. 15290. 15300. 15310. 15320. 15330. 15340. 15350. 15360. 15370. 15380. 15390. 15400. 15410. 15420. 15430. 15440. 15450. 15460. 15470. 15480. 15490. 15500. 15510. 15520. 15530. 15540. 15550. 15560. 15570. 15580. 15590. 15600. 15610. 15620. 15630. 15640. 15650. 15660. 15670. 15680. 15690. 15700. 15710. 15720. 15730. 15740. 15750. 15760. 15770. 15780. 15790. 15800. 15810. 15820. 15830. 15840. 15850. 15860. 15870. 15880. 15890. 15900. 15910. 15920. 15930. 15940. 15950. 15960. 15970. 15980. 15990. 16000. 16010. 16020. 16030. 16040. 16050. 16060. 16070. 16080. 16090. 16100. 16110. 16120. 16130. 16140. 16150. 16160. 16170. 16180. 16190. 16200. 16210. 16220. 16230. 16240. 16250. 16260. 16270. 16280. 16290. 16300. 16310. 16320. 16330. 16340. 16350. 16360. 16370. 16380. 16390. 16400. 16410. 16420. 16430. 16440. 16450. 16460. 16470. 16480. 16490. 16500. 16510. 16520. 16530. 16540. 16550. 16560. 16570. 16580. 16590. 16600. 16610. 16620. 16630. 16640. 16650. 16660. 16670. 16680. 16690. 16700. 16710. 16720. 16730. 16740. 16750. 16760. 16770. 16780. 16790. 16800. 16810. 16820. 16830. 16840. 16850. 16860. 16870. 16880. 16890. 16900. 16910. 16920. 16930. 16940. 16950. 16960. 16970. 16980. 16990. 17000. 17010. 17020. 17030. 17040. 17050. 17060. 17070. 17080. 17090. 17100. 17110. 17120. 17130. 17140. 17150. 17160. 17170. 17180. 17190. 17200. 17210. 17220. 17230. 17240. 17250. 17260. 17270. 17280. 17290. 17300. 17310. 17320. 17330. 17340. 17350. 17360. 17370. 17380. 17390. 17400. 17410. 17420. 17430. 17440. 17450. 17460. 17470. 17480. 17490. 17500. 17510. 17520. 17530. 17540. 17550. 17560. 17570. 17580. 17590. 17600. 17610. 17620. 17630. 17640. 17650. 17660. 17670. 17680. 17690. 17700. 17710. 17720. 17730. 17740. 17750. 17760. 17770. 17780. 17790. 17800. 17810. 17820. 17830. 17840. 17850. 17860. 17870. 17880. 17890. 17900. 17910. 17920. 17930. 17940. 17950. 17960. 17970. 17980. 17990. 18000. 18010. 18020. 18030. 18040. 18050. 18060. 18070. 18080. 18090. 18100. 18110. 18120. 18130. 18140. 18150. 18160. 18170. 18180. 18190. 18200. 18210. 18220. 18230. 18240. 18250. 18260. 18270. 18280. 18290. 18300. 18310. 18320. 18330. 18340. 18350. 18360. 18370. 18380. 18390. 18400. 18410. 18420. 18430. 18440. 18450. 18460. 18470. 18480. 18490. 18500. 18510. 18520. 18530. 18540. 18550. 18560. 18570. 18580. 18590. 18600. 18610. 18620. 18630. 18640. 18650. 18660. 18670. 18680. 18690. 18700. 18710. 18720. 18730. 18740. 18750. 18760. 18770. 18780. 18790. 18800. 18810. 18820. 18830. 18840. 18850. 18860. 18870. 18880. 18890. 18900. 18910. 18920. 18930. 18940. 18950. 18960. 18970. 18980. 18990. 19000. 19010. 19020. 19030. 19040. 19050. 19

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIAN)

40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. PUL
FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.15)(3.3)(3.45)(3.6)(3.75)(3.9)(4.05)(4.2)(4.35)(4.5)(4.65)(4.8)(4.95)(5.1)(5.25)(5.4)(5.55)(5.7)(5.85)(6.0)(6.15)(6.3)(6.45)(6.6)(6.75)(6.9)(7.05)(7.2)(7.35)(7.5)(7.65)(7.8)(7.95)(8.1)(8.25)(8.4)(8.55)(8.7)(8.85)(9.0)(9.15)(9.3)(9.45)(9.6)(9.75)(9.9)(10.05)(10.2)(10.35)(10.5)(10.65)(10.8)(10.95)(11.1)(11.25)(11.4)(11.55)(11.7)(11.85)(12.0)(12.15)(12.3)(12.45)(12.6)(12.75)(12.9)(13.05)(13.2)(13.35)(13.5)(13.65)(13.8)(13.95)(14.1)(14.25)(14.4)(14.55)(14.7)(14.85)(15.0)(15.15)(15.3)(15.45)(15.6)(15.75)(15.9)(16.05)(16.2)(16.35)(16.5)(16.65)(16.8)(16.95)(17.1)(17.25)(17.4)(17.55)(17.7)(17.85)(18.0)(18.15)(18.3)(18.45)(18.6)(18.75)(18.9)(19.05)(19.2)(19.35)(19.5)(19.65)(19.8)(19.95)(20.1)(20.25)(20.4)(20.55)(20.7)(20.85)(21.0)(21.15)(21.3)(21.45)(21.6)(21.75)(21.9)(22.05)(22.2)(22.35)(22.5)(22.65)(22.8)(22.95)(23.1)(23.25)(23.4)(23.55)(23.7)(23.85)(24.0)(24.15)(24.3)(24.45)(24.6)(24.75)(24.9)(25.05)(25.2)(25.35)(25.5)(25.65)(25.8)(25.95)(26.1)(26.25)(26.4)(26.55)(26.7)(26.85)(27.0)(27.15)(27.3)(27.45)(27.6)(27.75)(27.9)(28.05)(28.2)(28.35)(28.5)(28.65)(28.8)(28.95)(29.1)(29.25)(29.4)(29.55)(29.7)(29.85)(30.0)(30.15)(30.3)(30.45)(30.6)(30.75)(30.9)(31.05)(31.2)(31.35)(31.5)(31.65)(31.8)(31.95)(32.1)(32.25)(32.4)(32.55)(32.7)(32.85)(33.0)(33.15)(33.3)(33.45)(33.6)(33.75)(33.9)(34.05)(34.2)(34.35)(34.5)(34.65)(34.8)(34.95)(35.1)(35.25)(35.4)(35.55)(35.7)(35.85)(36.0)(36.15)(36.3)(36.45)(36.6)(36.75)(36.9)(37.05)(37.2)(37.35)(37.5)(37.65)(37.8)(37.95)(38.1)(38.25)(38.4)(38.55)(38.7)(38.85)(39.0)(39.15)(39.3)(39.45)(39.6)(39.75)(39.9)(40.05)(40.2)(40.35)(40.5)(40.65)(40.8)(40.95)(41.1)(41.25)(41.4)(41.55)(41.7)(41.85)(42.0)(42.15)(42.3)(42.45)(42.6)(42.75)(42.9)(43.05)(43.2)(43.35)(43.5)(43.65)(43.8)(43.95)(44.1)(44.25)(44.4)(44.55)(44.7)(44.85)(45.0)(45.15)(45.3)(45.45)(45.6)(45.75)(45.9)(46.05)(46.2)(46.35)(46.5)(46.65)(46.8)(46.95)(47.1)(47.25)(47.4)(47.55)(47.7)(47.85)(48.0)(48.15)(48.3)(48.45)(48.6)(48.75)(48.9)(49.05)(49.2)(49.35)(49.5)(49.65)(49.8)(49.95)(50.1)(50.25)(50.4)(50.55)(50.7)(50.85)(51.0)(51.15)(51.3)(51.45)(51.6)(51.75)(51.9)(52.05)(52.2)(52.35)(52.5)(52.65)(52.8)(52.95)(53.1)(53.25)(53.4)(53.55)(53.7)(53.85)(54.0)(54.15)(54.3)(54.45)(54.6)(54.75)(54.9)(55.05)(55.2)(55.35)(55.5)(55.65)(55.8)(55.95)(56.1)(56.25)(56.4)(56.55)(56.7)(56.85)(57.0)(57.15)(57.3)(57.45)(57.6)(57.75)(57.9)(58.05)(58.2)(58.35)(58.5)(58.65)(58.8)(58.95)(59.1)(59.25)(59.4)(59.55)(59.7)(59.85)(60.0)(60.15)(60.3)(60.45)(60.6)(60.75)(60.9)(61.05)(61.2)(61.35)(61.5)(61.65)(61.8)(61.95)(62.1)(62.25)(62.4)(62.55)(62.7)(62.85)(63.0)(63.15)(63.3)(63.45)(63.6)(63.75)(63.9)(64.05)(64.2)(64.35)(64.5)(64.65)(64.8)(64.95)(65.1)(65.25)(65.4)(65.55)(65.7)(65.85)(66.0)(66.15)(66.3)(66.45)(66.6)(66.75)(66.9)(67.05)(67.2)(67.35)(67.5)(67.65)(67.8)(67.95)(68.1)(68.25)(68.4)(68.55)(68.7)(68.85)(69.0)(69.15)(69.3)(69.45)(69.6)(69.75)(69.9)(70.05)(70.2)(70.35)(70.5)(70.65)(70.8)(70.95)(71.1)(71.25)(71.4)(71.55)(71.7)(71.85)(72.0)(72.15)(72.3)(72.45)(72.6)(72.75)(72.9)(73.05)(73.2)(73.35)(73.5)(73.65)(73.8)(73.95)(74.1)(74.25)(74.4)(74.55)(74.7)(74.85)(75.0)(75.15)(75.3)(75.45)(75.6)(75.75)(75.9)(76.05)(76.2)(76.35)(76.5)(76.65)(76.8)(76.95)(77.1)(77.25)(77.4)(77.55)(77.7)(77.85)(78.0)(78.15)(78.3)(78.45)(78.6)(78.75)(78.9)(79.05)(79.2)(79.35)(79.5)(79.65)(79.8)(79.95)(80.1)(80.25)(80.4)(80.55)(80.7)(80.85)(81.0)(81.15)(81.3)(81.45)(81.6)(81.75)(81.9)(82.05)(82.2)(82.35)(82.5)(82.65)(82.8)(82.95)(83.1)(83.25)(83.4)(83.55)(83.7)(83.85)(84.0)(84.15)(84.3)(84.45)(84.6)(84.75)(84.9)(85.05)(85.2)(85.35)(85.5)(85.65)(85.8)(85.95)(86.1)(86.25)(86.4)(86.55)(86.7)(86.85)(87.0)(87.15)(87.3)(87.45)(87.6)(87.75)(87.9)(88.05)(88.2)(88.35)(88.5)(88.65)(88.8)(88.95)(89.1)(89.25)(89.4)(89.55)(89.7)(89.85)(90.0)(90.15)(90.3)(90.45)(90.6)(90.75)(90.9)(91.05)(91.2)(91.35)(91.5)(91.65)(91.8)(91.95)(92.1)(92.25)(92.4)(92.55)(92.7)(92.85)(93.0)(93.15)(93.3)(93.45)(93.6)(93.75)(93.9)(94.05)(94.2)(94.35)(94.5)(94.65)(94.8)(94.95)(95.1)(95.25)(95.4)(95.55)(95.7)(95.85)(96.0)(96.15)(96.3)(96.45)(96.6)(96.75)(96.9)(97.05)(97.2)(97.35)(97.5)(97.65)(97.8)(97.95)(98.1)(98.25)(98.4)(98.55)(98.7)(98.85)(99.0)(99.15)(99.3)(99.45)(99.6)(99.75)(99.9)(100.05)(100.2)(100.35)(100.5)(100.65)(100.8)(100.95)(101.1)(101.25)(101.4)(101.55)(101.7)(101.85)(102.0)(102.15)(102.3)(102.45)(102.6)(102.75)(102.9)(103.05)(103.2)(103.35)(103.5)(103.65)(103.8)(103.95)(104.1)(104.25)(104.4)(104.55)(104.7)(104.85)(105.0)(105.15)(105.3)(105.45)(105.6)(105.75)(105.9)(106.05)(106.2)(106.35)(106.5)(106.65)(106.8)(106.95)(107.1)(107.25)(107.4)(107.55)(107.7)(107.85)(108.0)(108.15)(108.3)(108.45)(108.6)(108.75)(108.9)(109.05)(109.2)(109.35)(109.5)(109.65)(109.8)(109.95)(110.1)(110.25)(110.4)(110.55)(110.7)(110.85)(111.0)(111.15)(111.3)(111.45)(111.6)(111.75)(111.9)(112.05)(112.2)(112.35)(112.5)(112.65)(112.8)(112.95)(113.1)(113.25)(113.4)(113.55)(113.7)(113.85)(114.0)(114.15)(114.3)(114.45)(114.6)(114.75)(114.9)(115.05)(115.2)(115.35)(115.5)(115.65)(115.8)(115.95)(116.1)(116.25)(116.4)(116.55)(116.7)(116.85)(117.0)(117.15)(117.3)(117.45)(117.6)(117.75)(117.9)(118.05)(118.2)(118.35)(118.5)(118.65)(118.8)(118.95)(119.1)(119.25)(119.4)(119.55)(119.7)(119.85)(120.0)(120.15)(120.3)(120.45)(120.6)(120.75)(120.9)(121.05)(121.2)(121.35)(121.5)(121.65)(121.8)(121.95)(122.1)(122.25)(122.4)(122.55)(122.7)(122.85)(123.0)(123.15)(123.3)(123.45)(123.6)(123.75)(123.9)(124.05)(124.2)(124.35)(124.5)(124.65)(124.8)(124.95)(125.1)(125.25)(125.4)(125.55)(125.7)(125.85)(126.0)(126.15)(126.3)(126.45)(126.6)(126.75)(126.9)(127.05)(127.2)(127.35)(127.5)(127.65)(127.8)(127.95)(128.1)(128.25)(128.4)(128.55)(128.7)(128.85)(129.0)(129.15)(129.3)(129.45)(129.6)(129.75)(129.9)(130.05)(130.2)(130.35)(130.5)(130.65)(130.8)(130.95)(131.1)(131.25)(131.4)(131.55)(131.7)(131.85)(132.0)(132.15)(132.3)(132.45)(132.6)(132.75)(132.9)(133.05)(133.2)(133.35)(133.5)(133.65)(133.8)(133.95)(134.1)(134.25)(134.4)(134.55)(134.7)(134.85)(135.0)(135.15)(135.3)(135.45)(135.6)(135.75)(135.9)(136.05)(136.2)(136.35)(136.5)(136.65)(136.8)(136.95)(137.1)(137.25)(137.4)(137.55)(137.7)(137.85)(138.0)(138.15)(138.3)(138.45)(138.6)(138.75)(138.9)(139.05)(139.2)(139.35)(139.5)(139.65)(139.8)(139.95)(140.1)(140.25)(140.4)(140.55)(140.7)(140.85)(141.0)(141.15)(141.3)(141.45)(141.6)(141.75)(141.9)(142.05)(142.2)(142.35)(142.5)(142.65)(142.8)(142.95)(143.1)(143.25)(143.4)(143.55)(143.7)(143.85)(144.0)(144.15)(144.3)(144.45)(144.6)(144.75)(144.9)(145.05)(145.2)(145.35)(145.5)(145.65)(145.8)(145.95)(146.1)(146.25)(146.4)(146.55)(146.7)(146.85)(147.0)(147.15)(147.3)(147.45)(147.6)(147.75)(147.9)(148.05)(148.2)(148.35)(148.5)(148.65)(148.8)(148.95)(149.1)(149.25)(149.4)(149.55)(149.7)(149.85)(150.0)(150.15)(150.3)(150.45)(150.6)(150.75)(150.9)(151.05)(151.2)(151.35)(151.5)(151.65)(151.8)(151.95)(152.1)(152.25)(152.4)(152.55)(152.7)(152.85)(153.0)(153.15)(153.3)(153.45)(153.6)(153.75)(153.9)(154.05)(154.2)(154.35)(154.5)(154.65)(154.8)(154.95)(155.1)(155.25)(155.4)(155.55)(155.7)(155.85)(156.0)(156.15)(156.3)(156.45)(156.6)(156.75)(156.9)(157.05)(157.2)(157.35)(157.5)(157.65)(157.8)(157.95)(158.1)(158.25)(158.4)(158.55)(158.7)(158.85)(159.0)(159.15)(159.3)(159.45)(159.6)(159.75)(159.9)(160.05)(160.2)(160.35)(160.5)(160.65)(160.8)(160.95)(161.1)(161.25)(161.4)(161.55)(161.7)(161.85)(162.0)(162.15)(162.3)(162.45)(162.6)(162.75)(162.9)(163.05)(163.2)(163.35)(163.5)(163.65)(163.8)(163.95)(164.1)(164.25)(164.4)(164.55)(164.7)(164.85)(165.0)(165.15)(165.3)(165.45)(165.6)(165.75)(165.9)(166.05)(166.2)(166.35)(166.5)(166.65)(166.8)(166.95)(167.1)(167.25)(167.4)(167.55)(167.7)(167.85)(168.0)(168.15)(168.3)(168.45)(168.6)(168.75)(168.9)(169.05)(169.2)(169.35)(169.5)(169.65)(169.8)(169.95)(170.1)(170.25)(170.4)(170.55)(170.7)(170.85)(171.0)(171.15)(171.3)(171.45)(171.6)(171.75)(171.9)(172.05)(172.2)(172.35)(172.5)(172.65)(172.8)(172.95)(173.1)(173.25)(173.4)(173.55)(173.7)(173.85)(174.0)(174.15)(174.3)(174.45)(174.6)(174.75)(174.9)(175.05)(175.2)(175.35)(175.5)(175.65)(175.8)(175.95)(176.1)(176.25)(176.4)(176.55)(176.7)(176.85)(177.0)(177.15)(177.3)(177.45)(177.6)(177.75)(177.9)(178.05)(178.2)(178.35)(178.5)(178.65)(178.8)(178.95)(179.1)(179.25)(179.4)(179.55)(179.7)(179.85)(180.0)(180.15)(180.3)(180.45)(180.6)(180.75)(180.9)(181.05)(181.2)(181.35)(181.5)(181.65)(181.8)(181.95)(182.1)(182.25)(182.4)(182.55)(182.7)(182.85)(183.0)(183.15)(183.3)(183.45)(183.6)(183.75)(183.9)(184.05)(184.2)(184.35)(184.5)(184.65)(184.8)(184.95)(185.1)(185.25)(185.4)(185.55)(185.7)(185.85)(186.0)(186.15)(186.3)(186.45)(186.6)(186.75)(186.9)(187.05)(187.2)(187.35)(187.5)(187.65)(187.8)(187.95)(188.1)(188.25)(188.4)(188.55)(188.7)(188.85)(189.0)(189.15)(189.3)(189.45)(189.6)(189.75)(189.9)(190.05)(190.2)(190.35)(190.5)(190.65)(190.8)(190.95)(191.1)(191.25)(191.4)(191.55)(191.7)(191.85)(192.0)(192.15)(192.3)(192.45)(192.6)(192.75)(192.9)(193.05)(193.2)(193.35)(193.5)(193.65)(193.8)(193.95)(194.1)(194.25)(194.4)(194.55)(194.7)(194.85)(195.0)(195.15)(195.3)(195.45)(195.6)(195.75)(195.9)(196.05)(196.2)(196.35)(196.5)(196.65)(196.8)(196.95)(197.1)(197.25)(197.4)(197.55)(197.7)(197.85)(198.0)(198.15)(198.3)(198.45)(198.6)(198.75)(198.9)(199.05)(199.2)(199.35)(199.5)(199.65)(199.8)(199.95)(200.1)(200.25)(200.4)(200.55)(200.7)(200.85)(201.0)(201.15)(201.3)(201.45)(201.6)(201.75)(201.9)(202.05)(202.2)(202.35)(202.5)(202.65)(202.8)(202.95)(203.1)(203.25)(203.4)(203.55)(203.7)(203.85)(204.0)(204.15)(204.3)(204.45)(204.6)(204.75)(204.9)(205.05)(205.2)(205.35)(205.5)(205.65)(205.8)(205.95)(206.1)(206.25)(206.4)(206.55)(206.7)(206.85)(207.0)(207.15)(207.3)(207.45)(207.6)(207.75)(207.9)(208.05)(208.2)(208.35)(208.5)(208.65)(208.8)(208.95)(209.1)(209.25)(209.4)(209.55)(209.7)(209.85)(210.0)(210.15)(210.3)(210.45)(210.6)(210.75)(210.9)(211.05)(211.2)(211.35)(211.5)(211.65)(211.8)(211.95)(212.1)(212.25)(212.4)(212.55)(212.7)(212.85)(213.0)(213.15)(213.3)(213.45)(213.6)(213.75)(213.9)(214.05)(214.2)(214.35)(214.5)(214.65)(214.8)(214.95)(215.1)(215.25)(215.4)(215.55)(215.7)(215.85)(216.0)(216.15)(216.3)(216.45)(216.6)(216.75)(216.9)(217.05)(217.2)(217.35)(217.5)(217.65)(217.8)(217.95)(218.1)(218.25)(218.4)(218.55)(218.7)(218.85)(219.0)(219.15)(219.3)(219.45)(219.6)(219.75)(219.9)(220.05)(220.2)(220.35)(220.5)(220.65)(220.8)(220.95)(221.1)(221.25)(221.4)(221.55)(221.7)(221.85)(222.0)(222.15)(222.3)(222.45)(222.6)(222.75)(222.9)(223.05)(223.2)(223.35)(223.5)(223.65)(223.8)(223.95)(224.1)(224.25)(224.4)(224.55)(224.7)(224.85)(225.0)(225.15)(225.3)(225.45)(225.6)(225.75)(225.9)(226.05)(226.2)(226.35)(226.5)(226.65)(226.8)(226.95)(227.1)(227.25)(227.4)(227.55)(227.7)(227.85)(228.0)(228.15)(228.3)(228.45)(228.6)(228.75)(228.9)(229.05)(229.2)(229.35)(229.5)(229.65)(229.8)(229.95)(230.1)(230.25)(230.4)(230.55)(230.7)(230.85)(231.0)(231.15)(231.3)(231.45)(231.6)(231.75)(231.9)(232.05)(232.2)(232.35)(232.5)(232.65)(232.8)(232.95)(233.1)(233.25)(233.4)(233.55)(233.7)(233.85)(234.0)(234.15)(234.3)(234.45)(234.6)(234.75)(234.9)(235.05)(235.2)(235.35)(235.5)(235.65)(235.8)(235.95)(236.1)(236.25)(236.4)(236.55)(236.7)(236.85)(237.0)(237.15)(237.3)(237.45)(237.6)(237.75)(237.9)(238.05)(238.2)(238.35)(238.5)(238.65)(238.8)(238.95)(239.1)(239.25)(239.4)(239.55)(239.7)(239.85)(240.0)(240.15)(240.3)(240.45)(240.6)(240.75)(240.9)(241.05)(241.2)(241.35)(241.5)(241.65)(241.8)(241.95)(242.1)(242.25)(242.4)(242.55)(242.7)(242.85)(243.0)(243.15)(243.3)(243.45)(243.6)(243.75)(243.9)(244.05)(244.2)(244.35)(244.5)(244.65)(244.8)(244.95)(245.1)(245.25)(245.4)(245.55)(245.7)(245.85)(246.0)(246.15)(246.3)(246.45)(246.6)(246.75)(246.9)(247.05)(247.2)(247.35)(247.5)(247.65)(247.8)(247.95)(248.1)(248.25)(248.4)(248.55)(248.7)(248.85)(249.0)(249.15)(249.3)(249.45)(249.6)(249.75)(249.9)(250.05)(250.2)(250.35)(250.5)(250.65)(250.8)(250.95)(251.1)(251.25)(251.4)(251.55)(251.7)(251.85)(252.0)(252.15)(252.3)(252.45)(252.6)(252.75)(252.9)(253.05)(253.2)(253.35)(253.5)(253.65)(253.8)(253.95)(254.1)(254.25)(254.4)(254.55)(254.7)(254.85)(255.0)(255.15)(255.3)(255.45)(255.6)(255.75)(255.9)(256.05)(256.2)(256.35)(256.5)(256.65)(256.8)(256.95)(257.1)(257.25)(257.4)(257.55)(257.7)(257.85)(258.0)(258.15)(258.3)(258.45)(258.6)(258.75)(258.9)(259.05)(259.2)(259.35)(259.5)(259.65)(259.8)(259.95)(260.1)(260.25)(260.4)(260.55)(260.7)(260.85)(261.0)(261.15)(261.3)(261.45)(261.6)(261.75)(261.9)(262.05)(262.2)(262.35)(262.5)(262.65)(262.8)(262.95)(263.1)(263.25)(263.4)(263.55)(263.7)(263.85)(264.0)(264.15)(264.3)(264.45)(264.6)(264.75)(264.9)(265.05)(265.2)(265.35)(265.5)(265.65)(265.8)(265.95)(266.1)(266.25)(266.4)(266.55)(266.7)(266.85)(267.0)(267.15)(267.3)(267.45)(267.6)(267.75)(267.9)(268.05)(268.2)(268.35)(268.5)(268.65)(268.8)(268.95)(269.1)(269.25)(269.4)(269.55)(269.7)(269.85)(270.0)(270.15)(270.3)(270.45)(270.6)(270.75)(270.9)(271.05)(271.2)(271.35)(271.5)(271.65)(271.8)(271.95)(272.1)(272.25)(272.4)(272.55)(272.7)(272.85)(273.0)(273.15)(273.3)(273.45)(273.6)(273.75)(273.9)(274.05)(274.2)(274.35)(274.5)(274.65)(274.8)(274.95)(275.1)(275.25)(275.4)(275.55)(275.7)(275.85)(276.0)(276.15)(276.3)(276.45)(276.6)(276.75)(276.9)(277.05)(277.2)(277.35)(277.5)(277.65)(277.8)(277.95)(278.1)(278.25)(278.4)(278.55)(278.7)(278.85)(279.0)(279.15)(279.3)(279.45)(279.6)(279.75)(279.9)(280.05)(280.2)(280.35)(280.5)(280.65)(280.8)(280.95)(281.1)(281.25)(281.4)(281.55)(281.7)(281.85)(282.0)(282.15)(282.3)(282.45)(282.6)(282.75)(282.9)(283.05)(283.2)(283.35)(283.5)(283.65)(283.8)(283.95)(284.1)(284.25)(284.4)(284.55)(284.7)(284.85)(285.0)(285.15)(285.3)(285.45)(285.6)(285.75)(285.9)(286.05)(286.2)(286.35)(286.5)(286.65)(286.8)(286.95)(287.1)(287.25)(287.4)(287.55)(287.7)(287.85)(288.0)(288.15)(288.3)(288.45)(288.6)(288.75)(288.9)(289.05)(289.2)(289.35)(289.5)(289.65)(289.8)(289.95)(290.1)(290.25)(290.4)(290.55)(290.7)(290.85)(291.0)(291.15)(291.3)(291.45)(291.6)(291.75)(291.9)(292.05)(292.2)(292.35)(292.5)(292.65)(292.8)(292.95)(293.1)(293.25)(293.4)(293.55)(293.7)(293.85)(294.0)(294.15)(294.3)(294.45)(294.6)(294.75)(294.9)(295.05)(295.2)(295.35)(295.5)(295.65)(295.

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS | | | | | | | | | | SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FREQ. 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FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 50 | 57.0 | 61.6 | 64.1 | 65.2 | 67.2 | 68.4 | 70.2 | 70.9 | 73.4 | 78.4 | 83.0 | 82.4 | 79.8 |
| 53 | 58.5 | 64.1 | 64.2 | 66.5 | 69.0 | 71.0 | 71.7 | 72.5 | 75.7 | 81.7 | 85.6 | 85.7 | 81.2 |
| 57 | 60.7 | 63.6 | 66.4 | 67.4 | 69.2 | 70.7 | 72.2 | 73.7 | 77.9 | 84.4 | 88.7 | 87.1 | 81.6 |
| 60 | 62.9 | 63.8 | 66.2 | 67.7 | 69.7 | 72.0 | 73.2 | 74.7 | 79.4 | 86.1 | 89.5 | 87.8 | 82.0 |
| 63 | 64.0 | 65.5 | 66.9 | 69.0 | 71.0 | 72.5 | 74.7 | 76.2 | 80.9 | 86.9 | 89.9 | 88.8 | 82.6 |
| 67 | 66.8 | 69.6 | 71.0 | 72.3 | 73.8 | 75.1 | 76.1 | 78.1 | 82.8 | 85.9 | 88.9 | 87.4 | 82.0 |
| 70 | 68.3 | 70.2 | 72.2 | 72.7 | 74.3 | 75.8 | 76.0 | 78.7 | 83.4 | 86.3 | 88.7 | 87.9 | 81.5 |
| 73 | 69.9 | 72.2 | 74.1 | 74.9 | 76.9 | 77.9 | 78.4 | 80.0 | 85.5 | 86.4 | 88.5 | 87.3 | 80.8 |
| 77 | 71.9 | 74.7 | 76.6 | 78.4 | 80.4 | 82.4 | 84.4 | 86.4 | 91.9 | 92.8 | 95.1 | 93.4 | 87.2 |
| 80 | 73.7 | 76.6 | 78.5 | 80.4 | 82.4 | 84.4 | 86.4 | 88.4 | 93.9 | 94.8 | 97.1 | 95.4 | 89.2 |
| 83 | 75.5 | 78.4 | 80.3 | 82.3 | 84.3 | 86.3 | 88.3 | 90.3 | 95.9 | 96.8 | 99.1 | 97.4 | 91.2 |
| 87 | 77.5 | 80.4 | 82.3 | 84.3 | 86.3 | 88.3 | 90.3 | 92.3 | 97.9 | 98.8 | 101.1 | 99.4 | 93.2 |
| 90 | 79.5 | 82.4 | 84.3 | 86.3 | 88.3 | 90.3 | 92.3 | 94.3 | 99.9 | 100.8 | 103.1 | 101.4 | 95.2 |
| 93 | 81.5 | 84.4 | 86.3 | 88.3 | 90.3 | 92.3 | 94.3 | 96.3 | 101.9 | 102.8 | 105.1 | 103.4 | 97.2 |
| 97 | 83.5 | 86.4 | 88.3 | 90.3 | 92.3 | 94.3 | 96.3 | 98.3 | 103.9 | 104.8 | 107.1 | 105.4 | 99.2 |
| 100 | 85.5 | 88.4 | 90.3 | 92.3 | 94.3 | 96.3 | 98.3 | 100.3 | 105.9 | 106.8 | 109.1 | 107.4 | 101.2 |
| 103 | 87.5 | 90.4 | 92.3 | 94.3 | 96.3 | 98.3 | 100.3 | 102.3 | 107.9 | 108.8 | 111.1 | 109.4 | 103.2 |
| 107 | 89.5 | 92.4 | 94.3 | 96.3 | 98.3 | 100.3 | 102.3 | 104.3 | 109.9 | 110.8 | 113.1 | 111.4 | 105.2 |
| 110 | 91.5 | 94.4 | 96.3 | 98.3 | 100.3 | 102.3 | 104.3 | 106.3 | 111.9 | 112.8 | 115.1 | 113.4 | 107.2 |
| 113 | 93.5 | 96.4 | 98.3 | 100.3 | 102.3 | 104.3 | 106.3 | 108.3 | 113.9 | 114.8 | 117.1 | 115.4 | 109.2 |
| 117 | 95.5 | 98.4 | 100.3 | 102.3 | 104.3 | 106.3 | 108.3 | 110.3 | 115.9 | 116.8 | 119.1 | 117.4 | 111.2 |
| 120 | 97.5 | 100.4 | 102.3 | 104.3 | 106.3 | 108.3 | 110.3 | 112.3 | 117.9 | 118.8 | 121.1 | 119.4 | 113.2 |
| 123 | 99.5 | 102.4 | 104.3 | 106.3 | 108.3 | 110.3 | 112.3 | 114.3 | 119.9 | 120.8 | 123.1 | 121.4 | 115.2 |
| 127 | 101.5 | 104.4 | 106.3 | 108.3 | 110.3 | 112.3 | 114.3 | 116.3 | 121.9 | 122.8 | 125.1 | 123.4 | 117.2 |
| 130 | 103.5 | 106.4 | 108.3 | 110.3 | 112.3 | 114.3 | 116.3 | 118.3 | 123.9 | 124.8 | 127.1 | 125.4 | 119.2 |
| 133 | 105.5 | 108.4 | 110.3 | 112.3 | 114.3 | 116.3 | 118.3 | 120.3 | 125.9 | 126.8 | 129.1 | 127.4 | 121.2 |
| 137 | 107.5 | 110.4 | 112.3 | 114.3 | 116.3 | 118.3 | 120.3 | 122.3 | 127.9 | 128.8 | 131.1 | 129.4 | 123.2 |
| 140 | 109.5 | 112.4 | 114.3 | 116.3 | 118.3 | 120.3 | 122.3 | 124.3 | 129.9 | 130.8 | 133.1 | 131.4 | 125.2 |
| 143 | 111.5 | 114.4 | 116.3 | 118.3 | 120.3 | 122.3 | 124.3 | 126.3 | 131.9 | 132.8 | 135.1 | 133.4 | 127.2 |
| 147 | 113.5 | 116.4 | 118.3 | 120.3 | 122.3 | 124.3 | 126.3 | 128.3 | 133.9 | 134.8 | 137.1 | 135.4 | 129.2 |
| 150 | 115.5 | 118.4 | 120.3 | 122.3 | 124.3 | 126.3 | 128.3 | 130.3 | 135.9 | 136.8 | 139.1 | 137.4 | 131.2 |
| 153 | 117.5 | 120.4 | 122.3 | 124.3 | 126.3 | 128.3 | 130.3 | 132.3 | 137.9 | 138.8 | 141.1 | 139.4 | 133.2 |
| 157 | 119.5 | 122.4 | 124.3 | 126.3 | 128.3 | 130.3 | 132.3 | 134.3 | 139.9 | 140.8 | 143.1 | 141.4 | 135.2 |
| 160 | 121.5 | 124.4 | 126.3 | 128.3 | 130.3 | 132.3 | 134.3 | 136.3 | 141.9 | 142.8 | 145.1 | 143.4 | 137.2 |
| 163 | 123.5 | 126.4 | 128.3 | 130.3 | 132.3 | 134.3 | 136.3 | 138.3 | 143.9 | 144.8 | 147.1 | 145.4 | 139.2 |
| 167 | 125.5 | 128.4 | 130.3 | 132.3 | 134.3 | 136.3 | 138.3 | 140.3 | 145.9 | 146.8 | 149.1 | 147.4 | 141.2 |
| 170 | 127.5 | 130.4 | 132.3 | 134.3 | 136.3 | 138.3 | 140.3 | 142.3 | 147.9 | 148.8 | 151.1 | 149.4 | 143.2 |
| 173 | 129.5 | 132.4 | 134.3 | 136.3 | 138.3 | 140.3 | 142.3 | 144.3 | 149.9 | 150.8 | 153.1 | 151.4 | 145.2 |
| 177 | 131.5 | 134.4 | 136.3 | 138.3 | 140.3 | 142.3 | 144.3 | 146.3 | 151.9 | 152.8 | 155.1 | 153.4 | 147.2 |
| 180 | 133.5 | 136.4 | 138.3 | 140.3 | 142.3 | 144.3 | 146.3 | 148.3 | 153.9 | 154.8 | 157.1 | 155.4 | 149.2 |
| 183 | 135.5 | 138.4 | 140.3 | 142.3 | 144.3 | 146.3 | 148.3 | 150.3 | 155.9 | 156.8 | 159.1 | 157.4 | 151.2 |
| 187 | 137.5 | 140.4 | 142.3 | 144.3 | 146.3 | 148.3 | 150.3 | 152.3 | 157.9 | 158.8 | 161.1 | 159.4 | 153.2 |
| 190 | 139.5 | 142.4 | 144.3 | 146.3 | 148.3 | 150.3 | 152.3 | 154.3 | 159.9 | 160.8 | 163.1 | 161.4 | 155.2 |
| 193 | 141.5 | 144.4 | 146.3 | 148.3 | 150.3 | 152.3 | 154.3 | 156.3 | 161.9 | 162.8 | 165.1 | 163.4 | 157.2 |
| 197 | 143.5 | 146.4 | 148.3 | 150.3 | 152.3 | 154.3 | 156.3 | 158.3 | 163.9 | 164.8 | 167.1 | 165.4 | 159.2 |
| 200 | 145.5 | 148.4 | 150.3 | 152.3 | 154.3 | 156.3 | 158.3 | 160.3 | 165.9 | 166.8 | 169.1 | 167.4 | 161.2 |
| 203 | 147.5 | 150.4 | 152.3 | 154.3 | 156.3 | 158.3 | 160.3 | 162.3 | 167.9 | 168.8 | 171.1 | 169.4 | 163.2 |
| 207 | 149.5 | 152.4 | 154.3 | 156.3 | 158.3 | 160.3 | 162.3 | 164.3 | 169.9 | 170.8 | 173.1 | 171.4 | 165.2 |
| 210 | 151.5 | 154.4 | 156.3 | 158.3 | 160.3 | 162.3 | 164.3 | 166.3 | 171.9 | 172.8 | 175.1 | 173.4 | 167.2 |
| 213 | 153.5 | 156.4 | 158.3 | 160.3 | 162.3 | 164.3 | 166.3 | 168.3 | 173.9 | 174.8 | 177.1 | 175.4 | 169.2 |
| 217 | 155.5 | 158.4 | 160.3 | 162.3 | 164.3 | 166.3 | 168.3 | 170.3 | 175.9 | 176.8 | 179.1 | 177.4 | 171.2 |
| 220 | 157.5 | 160.4 | 162.3 | 164.3 | 166.3 | 168.3 | 170.3 | 172.3 | 177.9 | 178.8 | 181.1 | 179.4 | 173.2 |
| 223 | 159.5 | 162.4 | 164.3 | 166.3 | 168.3 | 170.3 | 172.3 | 174.3 | 179.9 | 180.8 | 183.1 | 181.4 | 175.2 |
| 227 | 161.5 | 164.4 | 166.3 | 168.3 | 170.3 | 172.3 | 174.3 | 176.3 | 181.9 | 182.8 | 185.1 | 183.4 | 177.2 |
| 230 | 163.5 | 166.4 | 168.3 | 170.3 | 172.3 | 174.3 | 176.3 | 178.3 | 183.9 | 184.8 | 187.1 | 185.4 | 179.2 |
| 233 | 165.5 | 168.4 | 170.3 | 172.3 | 174.3 | 176.3 | 178.3 | 180.3 | 185.9 | 186.8 | 189.1 | 187.4 | 181.2 |
| 237 | 167.5 | 170.4 | 172.3 | 174.3 | 176.3 | 178.3 | 180.3 | 182.3 | 187.9 | 188.8 | 191.1 | 189.4 | 183.2 |
| 240 | 169.5 | 172.4 | 174.3 | 176.3 | 178.3 | 180.3 | 182.3 | 184.3 | 189.9 | 190.8 | 193.1 | 191.4 | 185.2 |
| 243 | 171.5 | 174.4 | 176.3 | 178.3 | 180.3 | 182.3 | 184.3 | 186.3 | 191.9 | 192.8 | 195.1 | 193.4 | 187.2 |
| 247 | 173.5 | 176.4 | 178.3 | 180.3 | 182.3 | 184.3 | 186.3 | 188.3 | 193.9 | 194.8 | 197.1 | 195.4 | 189.2 |
| 250 | 175.5 | 178.4 | 180.3 | 182.3 | 184.3 | 186.3 | 188.3 | 190.3 | 195.9 | 196.8 | 199.1 | 197.4 | 191.2 |
| 253 | 177.5 | 180.4 | 182.3 | 184.3 | 186.3 | 188.3 | 190.3 | 192.3 | 197.9 | 198.8 | 201.1 | 199.4 | 193.2 |
| 257 | 179.5 | 182.4 | 184.3 | 186.3 | 188.3 | 190.3 | 192.3 | 194.3 | 199.9 | 200.8 | 203.1 | 201.4 | 195.2 |
| 260 | 181.5 | 184.4 | 186.3 | 188.3 | 190.3 | 192.3 | 194.3 | 196.3 | 201.9 | 202.8 | 205.1 | 203.4 | 197.2 |
| 263 | 183.5 | 186.4 | 188.3 | 190.3 | 192.3 | 194.3 | 196.3 | 198.3 | 203.9 | 204.8 | 207.1 | 205.4 | 199.2 |
| 267 | 185.5 | 188.4 | 190.3 | 192.3 | 194.3 | 196.3 | 198.3 | 200.3 | 205.9 | 206.8 | 209.1 | 207.4 | 201.2 |
| 270 | 187.5 | 190.4 | 192.3 | 194.3 | 196.3 | 198.3 | 200.3 | 202.3 | 207.9 | 208.8 | 211.1 | 209.4 | 203.2 |
| 273 | 189.5 | 192.4 | 194.3 | 196.3 | 198.3 | 200.3 | 202.3 | 204.3 | 209.9 | 210.8 | 213.1 | 211.4 | 205.2 |
| 277 | 191.5 | 194.4 | 196.3 | 198.3 | 200.3 | 202.3 | 204.3 | 206.3 | 211.9 | 212.8 | 215.1 | 213.4 | 207.2 |
| 280 | 193.5 | 196.4 | 198.3 | 200.3 | 202.3 | 204.3 | 206.3 | 208.3 | 213.9 | 214.8 | 217.1 | 215.4 | 209.2 |
| 283 | 195.5 | 198.4 | 200.3 | 202.3 | 204.3 | 206.3 | 208.3 | 210.3 | 215.9 | 216.8 | 219.1 | 217.4 | 211.2 |
| 287 | 197.5 | 200.4 | 202.3 | 204.3 | 206.3 | 208.3 | 210.3 | 212.3 | 217.9 | 218.8 | 221.1 | 219.4 | 213.2 |
| 290 | 199.5 | 202.4 | 204.3 | 206.3 | 208.3 | 210.3 | 212.3 | 214.3 | 219.9 | 220.8 | 223.1 | 221.4 | 215.2 |
| 293 | 201.5 | 204.4 | 206.3 | 208.3 | 210.3 | 212.3 | 214.3 | 216.3 | 221.9 | 222.8 | 225.1 | 223.4 | 217.2 |
| 297 | 203.5 | 206.4 | 208.3 | 210.3 | 212.3 | 214.3 | 216.3 | 218.3 | 223.9 | 224.8 | 227.1 | 225.4 | 219.2 |
| 300 | 205.5 | 208.4 | 210.3 | 212.3 | 214.3 | 216.3 | 218.3 | 220.3 | 225.9 | 226.8 | 229.1 | 227.4 | 221.2 |
| 303 | 207.5 | 210.4 | 212.3 | 214.3 | 216.3 | 218.3 | 220.3 | 222.3 | 227.9 | 228.8 | 231.1 | 229.4 | 223.2 |
| 307 | 209.5 | 212.4 | 214.3 | 216.3 | 218.3 | 220.3 | 222.3 | 224.3 | 229.9 | 230.8 | 233.1 | 231.4 | 225.2 |
| 310 | 211.5 | 214.4 | 216.3 | 218.3 | 220.3 | 222.3 | 224.3 | 226.3 | 231.9 | 232.8 | 235.1 | 233.4 | 227.2 |
| 313 | 213.5 | 216.4 | 218.3 | 220.3 | 222.3 | 224.3 | 226.3 | 228.3 | 233.9 | 234.8 | 237.1 | 235.4 | 229.2 |
| 317 | 215.5 | 218.4 | 220.3 | 222.3 | 224.3 | 226.3 | 228.3 | 230.3 | 235.9 | 236.8 | | | |

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|-------|------|------|------|------|------|------|------|------|-------|-------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN)S | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| NO EGA | 50 | 56.5 | 61.3 | 63.9 | 64.9 | 66.7 | 68.2 | 70.2 | 70.9 | 73.1 | 78.4 | 82.8 | 81.7 |
| SIDELINE 2400. FT. | 63 | 58.0 | 63.6 | 63.5 | 66.0 | 69.0 | 70.5 | 71.5 | 72.5 | 75.2 | 80.9 | 84.6 | 84.7 |
| (731.52 M) | 80 | 59.9 | 63.1 | 65.9 | 66.7 | 69.0 | 70.7 | 71.7 | 73.2 | 76.4 | 83.4 | 87.2 | 85.9 |
| NFA | 100 | 60.4 | 63.6 | 66.2 | 67.5 | 69.5 | 71.7 | 72.7 | 73.7 | 77.9 | 85.1 | 88.2 | 86.8 |
| (1. RPM) | 125 | 61.1 | 64.8 | 66.7 | 68.7 | 70.7 | 72.2 | 74.5 | 75.2 | 79.7 | 85.1 | 87.9 | 87.3 |
| NFK | 160 | 63.2 | 65.9 | 67.6 | 69.6 | 71.9 | 73.1 | 75.1 | 76.4 | 80.6 | 86.0 | 86.0 | 81.5 |
| (1. RPM) | 200 | 65.1 | 68.1 | 70.0 | 71.6 | 73.1 | 74.3 | 76.1 | 77.3 | 81.2 | 85.9 | 87.2 | 85.4 |
| NFD | 250 | 64.2 | 68.4 | 71.2 | 72.0 | 73.0 | 75.3 | 76.5 | 78.2 | 82.4 | 85.5 | 86.5 | 85.9 |
| (7500. RPM) | 315 | 63.4 | 67.3 | 69.5 | 71.4 | 73.4 | 75.4 | 75.9 | 77.6 | 82.5 | 85.1 | 86.5 | 85.5 |
| (785. RAD/SEC) | 400 | 63.8 | 67.2 | 70.0 | 71.1 | 73.4 | 74.9 | 76.9 | 78.9 | 82.5 | 84.6 | 86.1 | 84.8 |
| AIRFLOW RATIO | 500 | 63.4 | 67.4 | 69.7 | 71.4 | 73.2 | 74.7 | 76.7 | 78.9 | 82.5 | 84.6 | 84.5 | 82.7 |
| WF/W 4.63 | 630 | 63.5 | 67.1 | 69.5 | 71.2 | 73.0 | 74.8 | 76.3 | 78.9 | 82.2 | 84.2 | 84.3 | 79.8 |
| VEHICLE | 800 | 62.4 | 66.9 | 69.2 | 70.4 | 72.8 | 74.1 | 75.8 | 78.4 | 80.9 | 82.5 | 81.7 | 76.7 |
| CELL41 | 1000 | 62.4 | 67.6 | 69.0 | 71.1 | 72.0 | 74.0 | 75.5 | 77.8 | 79.5 | 81.0 | 80.1 | 74.0 |
| NC54 | 1250 | 61.0 | 66.9 | 69.4 | 71.3 | 72.8 | 74.3 | 76.0 | 76.6 | 79.2 | 79.6 | 77.4 | 72.4 |
| LOC C41 ANECH CH | 1600 | 58.0 | 63.5 | 67.0 | 70.5 | 73.0 | 75.6 | 75.2 | 77.5 | 77.9 | 74.9 | 68.8 | 58.5 |
| DATE 06-10-76 | 2000 | 53.3 | 60.7 | 64.2 | 67.9 | 71.2 | 72.0 | 73.7 | 73.6 | 75.0 | 75.2 | 71.6 | 65.5 |
| RUN CONF7VELDEPN | 2500 | 48.2 | 57.6 | 61.4 | 64.7 | 67.2 | 68.8 | 71.4 | 69.9 | 70.9 | 70.1 | 66.6 | 59.5 |
| TAPE | 3150 | 41.6 | 52.0 | 57.2 | 61.0 | 63.6 | 64.5 | 67.9 | 65.8 | 66.7 | 64.6 | 60.2 | 51.4 |
| X7108C | 4000 | 31.5 | 42.9 | 48.9 | 53.4 | 58.5 | 58.5 | 61.2 | 58.2 | 59.4 | 54.6 | 48.3 | 37.6 |
| FAN TIP SPEED | 5000 | 25.6 | 37.8 | 43.6 | 48.8 | 52.7 | 53.9 | 54.5 | 53.9 | 55.1 | 48.6 | 43.5 | 28.8 |
| FT/SEC | 6300 | 10.2 | 25.0 | 33.4 | 39.4 | 43.3 | 44.4 | 46.2 | 43.6 | 43.2 | 36.3 | 27.5 | 12.5 |
| | 8000 | 4.7 | 16.6 | 23.7 | 26.6 | 29.0 | 30.6 | 30.6 | 25.9 | 19.1 | 6.6 | | |
| | 10000 | | | 0.2 | 2.9 | 7.6 | 7.5 | | | | | | |
| | 12500 | | | | | | | | | | | | |
| OVERALL CALCULATED | 74.3 | 78.4 | 80.7 | 82.5 | 84.4 | 86.0 | 87.6 | 89.1 | 92.5 | 95.8 | 97.5 | 96.1 | 90.8 |
| | 70.1 | 84.5 | 87.7 | 90.4 | 92.9 | 94.2 | 95.9 | 96.5 | 99.0 | 101.4 | 101.1 | 93.9 | 92.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7108 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 26 HR. 10.1

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

ANGLES FROM INLET IN DEGREES (AND RADIAN)

RDG. NO. 63
 RADIAL 40. FT.
 VEHICLE CELL 41
 CONFIG NC54
 LOC C41 ANECHOIC
 DATE 06-10-76
 RUN CONF7VELDEPN
 TAPE X71100
 BAR 29.4 HG
 (99178. N/M2)
 TAMB 67. DEG F
 (292. DEG K)
 TWET 62. DEG F
 (290. DEG K)
 HACT13.13 GM/M3
 FREQ. SHIFT
 JET 0
 DIAMETER RATIO
 DF/DN 1.00

| RDG. NO. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (3.00) | (3.22) | (3.44) | (3.66) | (3.88) | (4.10) |
| 100 | 80.9 | 91.4 | 83.9 | 90.5 | 91.8 | 91.9 | 92.8 | 92.0 | 92.9 | 96.0 | 100.2 | 99.4 | 101.9 | 136.9 | | | | | |
| 125 | 80.3 | 84.6 | 86.6 | 88.7 | 90.7 | 92.1 | 92.5 | 92.7 | 91.9 | 92.4 | 100.9 | 102.1 | 102.9 | 137.2 | | | | | |
| 150 | 80.4 | 85.7 | 87.4 | 88.0 | 88.9 | 89.3 | 89.7 | 89.7 | 91.9 | 97.5 | 102.7 | 103.6 | 105.7 | 138.7 | | | | | |
| 200 | 83.8 | 84.5 | 85.3 | 87.1 | 88.4 | 89.3 | 90.7 | 91.8 | 95.8 | 100.6 | 105.1 | 108.5 | 110.0 | 142.4 | | | | | |
| 250 | 82.3 | 86.1 | 87.8 | 87.4 | 89.5 | 90.8 | 93.2 | 93.6 | 96.6 | 102.9 | 109.1 | 111.0 | 111.6 | 144.9 | | | | | |
| 315 | 84.4 | 88.2 | 87.2 | 89.0 | 91.6 | 92.9 | 93.8 | 95.2 | 98.7 | 105.5 | 111.0 | 113.4 | 113.7 | 146.9 | | | | | |
| 400 | 86.2 | 87.5 | 89.0 | 89.8 | 91.6 | 92.5 | 93.8 | 95.8 | 100.7 | 108.0 | 113.5 | 114.7 | 113.7 | 148.9 | | | | | |
| 500 | 87.0 | 87.8 | 89.5 | 90.6 | 91.9 | 93.8 | 95.2 | 96.8 | 101.0 | 109.4 | 114.3 | 115.8 | 114.0 | 149.4 | | | | | |
| 630 | 88.7 | 89.4 | 90.1 | 91.7 | 93.3 | 94.6 | 96.5 | 97.8 | 103.1 | 109.5 | 114.2 | 115.8 | 114.1 | 149.5 | | | | | |
| 800 | 89.9 | 91.2 | 91.7 | 92.9 | 94.5 | 96.2 | 97.5 | 99.7 | 104.4 | 110.7 | 113.9 | 115.1 | 114.4 | 149.5 | | | | | |
| 1000 | 91.7 | 93.2 | 94.0 | 94.8 | 96.4 | 97.0 | 98.6 | 100.3 | 105.2 | 110.6 | 113.0 | 114.4 | 114.2 | 149.2 | | | | | |
| 1250 | 91.0 | 93.1 | 95.3 | 95.4 | 96.0 | 97.6 | 99.0 | 101.4 | 106.8 | 110.9 | 112.9 | 115.3 | 113.3 | 149.5 | | | | | |
| 1600 | 91.1 | 93.2 | 93.9 | 95.0 | 96.3 | 98.4 | 99.1 | 101.5 | 106.9 | 110.8 | 113.7 | 115.9 | 113.9 | 149.9 | | | | | |
| 2000 | 92.2 | 93.5 | 95.0 | 95.5 | 97.1 | 98.2 | 100.1 | 102.5 | 107.5 | 110.8 | 113.5 | 115.7 | 113.0 | 149.8 | | | | | |
| 2500 | 92.5 | 93.8 | 95.1 | 95.6 | 97.2 | 98.6 | 101.2 | 102.4 | 107.8 | 110.2 | 113.4 | 115.3 | 110.8 | 149.5 | | | | | |
| 3150 | 93.0 | 94.5 | 95.3 | 96.3 | 97.7 | 99.0 | 100.4 | 103.1 | 108.1 | 110.9 | 113.6 | 114.8 | 109.5 | 148.3 | | | | | |
| 4000 | 92.8 | 95.1 | 95.6 | 95.9 | 97.5 | 98.8 | 101.2 | 103.6 | 107.3 | 110.7 | 112.1 | 111.8 | 106.6 | 148.0 | | | | | |
| 5000 | 94.4 | 96.4 | 96.5 | 96.5 | 97.6 | 99.2 | 101.3 | 104.0 | 107.0 | 110.1 | 111.8 | 111.2 | 106.7 | 147.9 | | | | | |
| 6300 | 93.9 | 96.8 | 97.3 | 98.1 | 98.7 | 100.3 | 102.4 | 103.1 | 107.3 | 109.4 | 111.1 | 110.5 | 106.5 | 147.7 | | | | | |
| 8000 | 92.5 | 94.6 | 95.1 | 98.1 | 100.0 | 100.6 | 102.2 | 103.4 | 106.9 | 109.3 | 110.2 | 110.1 | 106.3 | 147.1 | | | | | |
| 10000 | 89.9 | 94.0 | 94.8 | 96.8 | 100.1 | 100.0 | 102.1 | 103.3 | 106.1 | 108.2 | 108.7 | 108.8 | 105.8 | 145.7 | | | | | |
| 12500 | 87.3 | 93.0 | 94.2 | 95.4 | 97.4 | 98.5 | 101.4 | 101.5 | 103.9 | 106.3 | 106.5 | 106.8 | 104.3 | 145.3 | | | | | |
| 16000 | 86.1 | 91.9 | 93.3 | 95.2 | 97.0 | 97.4 | 100.5 | 99.6 | 103.3 | 104.5 | 105.4 | 105.2 | 103.1 | 143.1 | | | | | |
| 20000 | 83.1 | 88.1 | 90.2 | 92.6 | 96.1 | 95.5 | 98.9 | 97.7 | 100.2 | 100.0 | 100.6 | 101.8 | 99.7 | 141.6 | | | | | |
| 25000 | 79.9 | 85.4 | 87.0 | 89.6 | 91.8 | 92.3 | 93.3 | 95.0 | 98.6 | 97.2 | 98.8 | 97.8 | 96.4 | 141.7 | | | | | |
| 31500 | 77.1 | 83.0 | 85.7 | 87.9 | 90.6 | 90.1 | 92.5 | 92.4 | 95.2 | 95.0 | 96.5 | 97.4 | 94.3 | 141.0 | | | | | |
| 40000 | 71.8 | 77.9 | 81.2 | 84.0 | 85.1 | 86.1 | 87.8 | 87.2 | 90.7 | 92.6 | 93.4 | 93.1 | 90.4 | 139.6 | | | | | |
| 50000 | 65.9 | 71.5 | 75.7 | 76.8 | 76.9 | 80.0 | 80.5 | 80.4 | 85.0 | 87.7 | 89.4 | 86.1 | 84.0 | 140.5 | | | | | |
| 63000 | 61.0 | 64.5 | 69.6 | 69.8 | 69.6 | 74.5 | 74.3 | 73.8 | 78.1 | 83.7 | 84.5 | 78.5 | 77.8 | 146.6 | | | | | |
| 80000 | 57.5 | 60.6 | 66.4 | 64.1 | 63.5 | 71.7 | 72.6 | 68.0 | 73.0 | 81.2 | 81.5 | 73.4 | 73.9 | 161.8 | | | | | |
| OVERALL MEASURED | 103.8 | 106.3 | 107.3 | 108.3 | 109.9 | 111.0 | 113.0 | 114.4 | 118.6 | 122.3 | 125.2 | 126.6 | 124.7 | | | | | | |
| OVERALL CALCULATED | 116.8 | 118.9 | 119.6 | 120.3 | 121.8 | 123.1 | 125.0 | 126.9 | 131.2 | 134.7 | 137.5 | 138.7 | 135.4 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7110 ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-154cm²(23.9in²)

PROC. DATE - MONTH 8 DAY 25 HR. 21.4
ATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)

| PROC. DATE - MONTH 8 DAY | | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT | | | | | | | | | | | | | | | |
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | |
| 50 | 84.1 | 87.9 | 89.7 | 89.2 | 91.3 | 92.7 | 95.1 | 95.5 | 98.4 | 104.7 | 110.9 | 112.9 | 113.4 | 110.8 | 107.2 |
| 63 | 86.2 | 90.0 | 89.0 | 90.8 | 93.4 | 94.8 | 95.7 | 97.1 | 100.5 | 107.3 | 112.8 | 115.2 | 115.0 | 113.4 | 110.8 |
| 80 | 88.0 | 89.3 | 91.3 | 91.6 | 93.4 | 94.3 | 95.7 | 97.6 | 102.5 | 109.9 | 115.3 | 116.5 | 115.5 | 113.5 | 110.5 |
| RADIAL 150. FT. | | | | | | | | | | | | | | | |
| 100 | 88.9 | 89.6 | 91.4 | 92.4 | 93.8 | 95.6 | 97.0 | 99.0 | 102.9 | 111.2 | 116.2 | 117.6 | 115.5 | 113.5 | 110.5 |
| 125 | 90.0 | 91.2 | 92.0 | 93.5 | 95.1 | 96.5 | 98.4 | 99.8 | 105.0 | 111.3 | 116.0 | 117.7 | 116.0 | 114.0 | 111.0 |
| VEHICLE CELL41 | | | | | | | | | | | | | | | |
| 160 | 91.7 | 93.0 | 93.5 | 94.8 | 96.4 | 98.0 | 99.4 | 101.5 | 106.3 | 112.6 | 115.8 | 117.0 | 116.2 | 114.2 | 111.2 |
| CONFIG NC54 | | | | | | | | | | | | | | | |
| 200 | 93.5 | 95.1 | 95.8 | 96.6 | 97.2 | 98.8 | 100.5 | 102.1 | 107.1 | 112.4 | 114.9 | 116.3 | 116.1 | 114.1 | 111.1 |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | |
| 250 | 92.9 | 94.9 | 97.2 | 97.8 | 99.4 | 100.8 | 103.2 | 108.7 | 112.8 | 114.7 | 117.1 | 115.2 | 113.2 | 110.2 | 107.2 |
| 315 | 93.0 | 95.0 | 95.8 | 96.8 | 98.2 | 100.3 | 100.9 | 103.3 | 108.3 | 112.6 | 115.6 | 117.7 | 115.8 | 113.8 | 110.8 |
| DATE 06-10-76 | | | | | | | | | | | | | | | |
| 400 | 94.0 | 95.3 | 96.8 | 97.4 | 99.0 | 100.1 | 102.0 | 104.4 | 109.3 | 112.7 | 115.4 | 117.5 | 114.8 | 111.8 | 108.8 |
| RUN CONF7VELDEPN | | | | | | | | | | | | | | | |
| 500 | 94.4 | 95.7 | 97.0 | 97.5 | 99.1 | 100.5 | 103.1 | 104.2 | 109.2 | 112.5 | 115.3 | 117.2 | 112.7 | 110.7 | 107.7 |
| TAPE X71100 | | | | | | | | | | | | | | | |
| 630 | 94.9 | 96.5 | 97.2 | 98.3 | 99.6 | 101.0 | 102.3 | 105.0 | 109.3 | 112.7 | 114.1 | 113.8 | 108.5 | 105.5 | 102.5 |
| BAR 29.4 HG | | | | | | | | | | | | | | | |
| 800 | 94.7 | 97.0 | 97.6 | 97.8 | 99.4 | 100.8 | 103.2 | 105.6 | 109.3 | 112.7 | 114.1 | 113.8 | 108.5 | 105.5 | 102.5 |
| (90178. N/M?) | | | | | | | | | | | | | | | |
| 1000 | 96.4 | 98.4 | 98.5 | 98.5 | 99.6 | 101.2 | 103.3 | 106.0 | 109.0 | 112.0 | 113.7 | 113.1 | 108.7 | 105.7 | 102.7 |
| TAMB 67. DEG F | | | | | | | | | | | | | | | |
| 1250 | 96.0 | 98.8 | 99.4 | 100.1 | 100.7 | 102.3 | 104.5 | 105.1 | 109.4 | 111.5 | 113.2 | 112.6 | 108.6 | 105.6 | 102.6 |
| (292. DEG K) | | | | | | | | | | | | | | | |
| 1600 | 94.7 | 96.8 | 98.4 | 100.4 | 102.2 | 102.8 | 104.4 | 105.6 | 109.1 | 111.5 | 112.4 | 112.3 | 108.5 | 105.5 | 102.5 |
| TWET 62. DEG F | | | | | | | | | | | | | | | |
| 2000 | 92.3 | 96.5 | 97.3 | 99.3 | 102.6 | 102.5 | 104.6 | 105.8 | 108.5 | 110.7 | 111.1 | 111.2 | 108.2 | 105.2 | 102.2 |
| (290. DEG K) | | | | | | | | | | | | | | | |
| 2500 | 90.1 | 95.8 | 97.0 | 98.2 | 100.2 | 101.3 | 104.2 | 104.3 | 106.7 | 109.1 | 109.3 | 109.6 | 107.1 | 104.1 | 101.1 |
| HACT113.13 GM/M3 | | | | | | | | | | | | | | | |
| 3150 | 89.5 | 95.2 | 96.7 | 98.6 | 100.4 | 100.7 | 103.9 | 103.1 | 106.7 | 107.9 | 108.8 | 108.5 | 106.5 | 103.5 | 100.5 |
| (C-01313 KG/M3) | | | | | | | | | | | | | | | |
| 4000 | 87.1 | 92.2 | 94.3 | 96.7 | 100.2 | 99.5 | 102.9 | 101.7 | 104.3 | 104.1 | 104.7 | 105.9 | 103.8 | 100.8 | 97.8 |
| FFREQ. SWIFT | | | | | | | | | | | | | | | |
| 5000 | 85.2 | 90.7 | 92.4 | 94.9 | 97.2 | 97.6 | 98.7 | 100.3 | 103.9 | 102.5 | 104.1 | 103.2 | 101.8 | 98.8 | 95.8 |
| JET 7 | | | | | | | | | | | | | | | |
| 6300 | 84.1 | 89.9 | 92.6 | 94.8 | 97.5 | 97.0 | 99.4 | 99.3 | 102.1 | 101.9 | 103.4 | 104.3 | 101.3 | 98.3 | 95.3 |
| (C-01313 KG/M3) | | | | | | | | | | | | | | | |
| 8000 | 81.1 | 87.1 | 90.5 | 93.3 | 94.3 | 95.4 | 97.1 | 96.5 | 100.0 | 101.9 | 102.7 | 102.3 | 99.6 | 96.3 | 93.6 |
| DIAMETER RATIO | | | | | | | | | | | | | | | |
| 10000 | 78.2 | 83.8 | 88.0 | 89.1 | 89.2 | 92.3 | 92.8 | 92.7 | 97.3 | 100.1 | 101.7 | 98.4 | 96.3 | 94.5 | 91.5 |
| 12500 | 77.8 | 81.3 | 85.4 | 86.6 | 86.4 | 91.3 | 91.1 | 90.6 | 94.9 | 100.5 | 101.3 | 95.3 | 94.5 | 92.3 | 89.3 |
| 16000 | 80.6 | 83.7 | 89.6 | 87.2 | 86.6 | 94.8 | 95.7 | 91.1 | 96.1 | 104.3 | 104.6 | 96.5 | 97.0 | 94.3 | 91.3 |
| OVERALL CALCULATED | | | | | | | | | | | | | | | |
| 105.9 | 108.4 | 109.5 | 110.6 | 112.3 | 113.3 | 115.4 | 116.7 | 120.8 | 124.3 | 127.1 | 128.4 | 126.4 | 126.4 | 126.4 | 126.4 |
| PNDB | 116.0 | 120.1 | 121.5 | 123.1 | 124.9 | 125.6 | 128.0 | 128.5 | 132.1 | 134.4 | 136.1 | 136.6 | 134.1 | 134.1 | 134.1 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 7 | 7110 | 45.7m(150ft.) ARC | FULL-33m ² (513in ²) |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

| NO EGA | FREZ. | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | P. O. S. (C.) | | | | |
|--------------------|-------|---|--------|--------|--------|--------|---|--------|--------|--------|--------|----------------|--------|--------|--------|--------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. |
| SIDELINE 2400. FT. | 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.14) |
| (731.52 M) | 63 | 56.0 | 61.3 | 64.4 | 66.9 | 68.4 | 70.7 | 72.2 | 75.0 | 80.7 | 82.8 | 84.7 | 87.0 | 89.5 | 91.5 | 94.0 |
| YFA (1. RPM) | 81 | 59.7 | 62.6 | 66.2 | 69.0 | 70.0 | 71.2 | 72.7 | 76.9 | 83.1 | 87.0 | 85.9 | 81.4 | 79.5 | 77.5 | 75.5 |
| (C. RAD/SEC) | 100 | 60.4 | 62.8 | 65.7 | 67.5 | 69.2 | 71.2 | 72.5 | 73.7 | 77.2 | 84.4 | 87.4 | 86.8 | 81.5 | 79.3 | 77.3 |
| NFK (1. RPM) | 125 | 61.4 | 64.3 | 66.2 | 68.5 | 70.5 | 72.0 | 73.7 | 74.7 | 79.2 | 84.4 | 87.4 | 86.8 | 81.3 | 79.3 | 77.3 |
| (7500. RPM) | 160 | 63.0 | 65.9 | 67.5 | 69.6 | 71.6 | 73.4 | 74.6 | 76.4 | 80.3 | 85.5 | 87.0 | 85.8 | 81.3 | 79.3 | 77.3 |
| AIRFLOW RATIO | 200 | 64.6 | 67.8 | 69.7 | 71.3 | 72.3 | 74.1 | 75.6 | 76.8 | 81.0 | 85.2 | 85.9 | 84.9 | 80.7 | 78.5 | 76.5 |
| WF/MM 4.63 | 250 | 63.7 | 67.4 | 70.9 | 71.7 | 72.8 | 74.5 | 75.8 | 77.7 | 82.4 | 85.3 | 85.5 | 85.4 | 79.3 | 77.3 | 75.3 |
| VEHICLE | 315 | 63.4 | 67.3 | 69.3 | 71.1 | 72.9 | 75.2 | 75.7 | 77.6 | 82.3 | 84.9 | 86.0 | 85.5 | 79.3 | 77.3 | 75.3 |
| CONFIG | 400 | 64.1 | 67.2 | 70.0 | 71.4 | 73.4 | 74.7 | 76.4 | 78.4 | 82.5 | 83.5 | 84.7 | 83.7 | 74.3 | 72.3 | 70.3 |
| LOC C41 ANECH CH | 500 | 63.9 | 67.1 | 69.7 | 71.1 | 73.2 | 74.7 | 77.2 | 77.9 | 82.5 | 83.5 | 84.7 | 83.7 | 74.3 | 72.3 | 70.3 |
| DATE 06-10-76 | 800 | 62.6 | 67.1 | 69.2 | 70.4 | 72.5 | 74.1 | 76.3 | 78.1 | 80.9 | 82.8 | 82.0 | 78.2 | 67.1 | 65.2 | 63.2 |
| RUN CONF7VELDEPN | 1000 | 63.2 | 67.6 | 69.3 | 70.3 | 72.0 | 73.8 | 75.7 | 77.8 | 79.8 | 81.3 | 80.6 | 76.2 | 65.2 | 63.2 | 61.2 |
| TAPE X71100 | 1250 | 61.5 | 66.9 | 69.2 | 71.1 | 72.3 | 74.1 | 76.0 | 76.1 | 79.2 | 79.6 | 78.6 | 73.9 | 62.5 | 60.5 | 58.5 |
| FAN TIP SPEED | 1600 | 58.2 | 63.3 | 66.8 | 70.0 | 72.5 | 73.3 | 74.8 | 75.2 | 77.5 | 78.0 | 75.9 | 71.1 | 58.7 | 56.7 | 54.7 |
| FT/SEC | 2000 | 53.5 | 61.0 | 64.0 | 67.4 | 71.4 | 71.5 | 73.4 | 73.9 | 75.3 | 75.2 | 72.3 | 67.0 | 54.0 | 52.0 | 50.0 |
| OVERALL CALCULATED | 2500 | 47.9 | 57.6 | 61.2 | 64.0 | 66.9 | 68.3 | 70.9 | 70.2 | 71.0 | 70.9 | 67.1 | 61.0 | 46.4 | 44.4 | 42.4 |
| | 3150 | 41.9 | 52.5 | 57.0 | 60.8 | 63.6 | 64.3 | 67.1 | 65.3 | 67.0 | 65.2 | 61.2 | 53.0 | 35.5 | 33.5 | 31.5 |
| | 4000 | 31.5 | 42.7 | 48.7 | 53.5 | 58.3 | 58.0 | 61.0 | 58.5 | 58.7 | 54.6 | 49.1 | 39.9 | 17.3 | 15.3 | 13.3 |
| | 5000 | 24.9 | 37.4 | 43.4 | 48.6 | 52.3 | 53.2 | 53.8 | 54.0 | 54.9 | 49.2 | 43.8 | 31.1 | 6.3 | 4.3 | 2.3 |
| | 6300 | 10.0 | 25.1 | 33.5 | 39.2 | 43.9 | 44.0 | 45.8 | 43.7 | 43.0 | 37.1 | 29.3 | 14.3 | 7.5 | 5.5 | 3.5 |
| | 8000 | 4.8 | 16.0 | 23.5 | 27.2 | 29.1 | 30.0 | 26.8 | 25.5 | 19.5 | 7.5 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| | 10000 | | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 74.4 | 78.2 | 80.6 | 82.3 | 84.2 | 85.8 | 87.4 | 88.7 | 92.4 | 95.5 | 97.1 | 96.1 | 90.4 | 80.4 | 70.4 | 60.4 |
| | 79.2 | 84.4 | 87.5 | 90.1 | 92.9 | 93.8 | 95.7 | 96.3 | 98.9 | 100.7 | 101.1 | 99.3 | 91.3 | 81.3 | 71.3 | 61.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **7/10** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **FULL-33m²(513in²)** SIZE

| PAGE 1 FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 7% PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| PROC. DATE - MONTH 5 DAY 25 HR. 21.4 | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| 50 | 85.4 | 88.7 | 89.9 | 90.2 | 91.6 | 92.7 | 95.3 | 95.7 | 98.9 |
| 63 | 87.0 | 90.8 | 89.5 | 91.8 | 94.2 | 95.0 | 96.2 | 97.3 | 101.3 |
| 80 | 88.8 | 92.8 | 92.0 | 92.6 | 93.9 | 95.3 | 96.7 | 98.6 | 103.5 |
| 100 | 89.6 | 90.6 | 91.6 | 93.2 | 94.8 | 96.6 | 98.0 | 99.9 | 104.9 |
| 125 | 91.0 | 92.2 | 93.2 | 94.5 | 96.1 | 97.2 | 99.4 | 101.0 | 106.5 |
| 160 | 93.0 | 94.2 | 94.3 | 96.0 | 97.1 | 98.5 | 100.6 | 102.8 | 107.5 |
| 200 | 95.3 | 96.8 | 97.1 | 97.9 | 98.7 | 100.1 | 101.7 | 103.6 | 108.6 |
| 250 | 94.6 | 97.2 | 98.7 | 98.5 | 99.1 | 100.9 | 102.8 | 104.7 | 109.4 |
| 315 | 94.5 | 96.3 | 96.3 | 97.8 | 99.2 | 101.3 | 102.2 | 104.1 | 110.0 |
| 400 | 95.8 | 96.8 | 97.8 | 98.4 | 100.0 | 101.1 | 103.2 | 105.4 | 112.3 |
| 500 | 94.9 | 96.2 | 98.0 | 99.0 | 99.8 | 101.2 | 103.8 | 105.5 | 113.6 |
| 630 | 95.9 | 96.7 | 98.2 | 99.0 | 100.6 | 101.5 | 103.8 | 106.0 | 112.1 |
| 800 | 95.0 | 96.0 | 97.6 | 98.3 | 100.2 | 101.3 | 104.4 | 106.1 | 113.7 |
| 1000 | 94.6 | 96.7 | 97.7 | 98.7 | 100.3 | 101.9 | 104.1 | 106.5 | 113.0 |
| 1250 | 94.3 | 96.6 | 97.9 | 98.9 | 101.2 | 102.6 | 105.0 | 106.1 | 109.9 |
| 1600 | 93.5 | 96.3 | 96.9 | 98.6 | 100.9 | 102.5 | 105.2 | 106.4 | 109.9 |
| 2000 | 92.3 | 97.5 | 97.3 | 98.3 | 100.9 | 101.7 | 104.9 | 105.5 | 109.3 |
| 2500 | 91.6 | 97.3 | 97.7 | 98.2 | 99.7 | 100.8 | 104.2 | 104.3 | 107.7 |
| 3150 | 90.7 | 96.2 | 97.2 | 98.3 | 100.1 | 102.0 | 103.6 | 103.1 | 106.9 |
| 4000 | 88.4 | 93.2 | 95.3 | 97.2 | 99.4 | 99.3 | 102.7 | 101.2 | 105.1 |
| 5000 | 86.0 | 92.3 | 92.6 | 95.2 | 97.9 | 97.9 | 98.9 | 99.6 | 103.4 |
| 6300 | 85.1 | 91.2 | 92.9 | 95.3 | 97.6 | 97.5 | 99.5 | 98.6 | 101.9 |
| 8000 | 82.6 | 88.4 | 91.5 | 93.3 | 93.9 | 95.4 | 97.6 | 96.3 | 100.9 |
| 10000 | 78.7 | 85.1 | 88.6 | 89.9 | 89.5 | 92.3 | 93.6 | 92.0 | 97.3 |
| 12500 | 77.9 | 82.6 | 86.7 | 87.4 | 86.4 | 90.8 | 90.9 | 92.2 | 95.7 |
| 16000 | 80.4 | 84.5 | 93.1 | 87.8 | 87.2 | 95.1 | 96.0 | 90.2 | 97.1 |
| 20000 | 106.3 | 108.8 | 109.8 | 110.9 | 112.5 | 113.7 | 116.1 | 117.3 | 121.7 |
| 25000 | 116.8 | 120.9 | 121.9 | 123.5 | 125.0 | 125.5 | 128.3 | 128.7 | 132.7 |
| 31500 | | | | | | | | | 135.7 |
| 40000 | | | | | | | | | 137.3 |
| 50000 | | | | | | | | | 137.4 |
| 63000 | | | | | | | | | 137.5 |
| 80000 | | | | | | | | | 137.6 |
| 100000 | | | | | | | | | 137.7 |
| 125000 | | | | | | | | | 137.8 |
| 160000 | | | | | | | | | 137.9 |
| 200000 | | | | | | | | | 138.0 |
| 250000 | | | | | | | | | 138.1 |
| 315000 | | | | | | | | | 138.2 |
| 400000 | | | | | | | | | 138.3 |
| 500000 | | | | | | | | | 138.4 |
| 630000 | | | | | | | | | 138.5 |
| 800000 | | | | | | | | | 138.6 |
| 1000000 | | | | | | | | | 138.7 |
| 1250000 | | | | | | | | | 138.8 |
| 1600000 | | | | | | | | | 138.9 |
| 2000000 | | | | | | | | | 139.0 |
| 2500000 | | | | | | | | | 139.1 |
| 3150000 | | | | | | | | | 139.2 |
| 4000000 | | | | | | | | | 139.3 |
| 5000000 | | | | | | | | | 139.4 |
| 6300000 | | | | | | | | | 139.5 |
| 8000000 | | | | | | | | | 139.6 |
| 10000000 | | | | | | | | | 139.7 |
| 12500000 | | | | | | | | | 139.8 |
| 16000000 | | | | | | | | | 139.9 |
| 20000000 | | | | | | | | | 140.0 |
| 25000000 | | | | | | | | | 140.1 |
| 31500000 | | | | | | | | | 140.2 |
| 40000000 | | | | | | | | | 140.3 |
| 50000000 | | | | | | | | | 140.4 |
| 63000000 | | | | | | | | | 140.5 |
| 80000000 | | | | | | | | | 140.6 |
| 100000000 | | | | | | | | | 140.7 |
| 125000000 | | | | | | | | | 140.8 |
| 160000000 | | | | | | | | | 140.9 |
| 200000000 | | | | | | | | | 141.0 |
| 250000000 | | | | | | | | | 141.1 |
| 315000000 | | | | | | | | | 141.2 |
| 400000000 | | | | | | | | | 141.3 |
| 500000000 | | | | | | | | | 141.4 |
| 630000000 | | | | | | | | | 141.5 |
| 800000000 | | | | | | | | | 141.6 |
| 1000000000 | | | | | | | | | 141.7 |
| 1250000000 | | | | | | | | | 141.8 |
| 1600000000 | | | | | | | | | 141.9 |
| 2000000000 | | | | | | | | | 142.0 |
| 2500000000 | | | | | | | | | 142.1 |
| 3150000000 | | | | | | | | | 142.2 |
| 4000000000 | | | | | | | | | 142.3 |
| 5000000000 | | | | | | | | | 142.4 |
| 6300000000 | | | | | | | | | 142.5 |
| 8000000000 | | | | | | | | | 142.6 |
| 10000000000 | | | | | | | | | 142.7 |
| 12500000000 | | | | | | | | | 142.8 |
| 16000000000 | | | | | | | | | 142.9 |
| 20000000000 | | | | | | | | | 143.0 |
| 25000000000 | | | | | | | | | 143.1 |
| 31500000000 | | | | | | | | | 143.2 |
| 40000000000 | | | | | | | | | 143.3 |
| 50000000000 | | | | | | | | | 143.4 |
| 63000000000 | | | | | | | | | 143.5 |
| 80000000000 | | | | | | | | | 143.6 |
| 100000000000 | | | | | | | | | 143.7 |
| 125000000000 | | | | | | | | | 143.8 |
| 160000000000 | | | | | | | | | 143.9 |
| 200000000000 | | | | | | | | | 144.0 |
| 250000000000 | | | | | | | | | 144.1 |
| 315000000000 | | | | | | | | | 144.2 |
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| 630000000000 | | | | | | | | | 144.5 |
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| 1250000000000 | | | | | | | | | 144.8 |
| 1600000000000 | | | | | | | | | 144.9 |
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| 2500000000000 | | | | | | | | | 145.1 |
| 3150000000000 | | | | | | | | | 145.2 |
| 4000000000000 | | | | | | | | | 145.3 |
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| 6300000000000 | | | | | | | | | 145.5 |
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| 12500000000000 | | | | | | | | | 145.8 |
| 16000000000000 | | | | | | | | | 145.9 |
| 20000000000000 | | | | | | | | | 146.0 |
| 25000000000000 | | | | | | | | | 146.1 |
| 31500000000000 | | | | | | | | | 146.2 |
| 40000000000000 | | | | | | | | | 146.3 |
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| 63000000000000 | | | | | | | | | 146.5 |
| 80000000000000 | | | | | | | | | 146.6 |
| 100000000000000 | | | | | | | | | 146.7 |
| 125000000000000 | | | | | | | | | 146.8 |
| 160000000000000 | | | | | | | | | 146.9 |
| 200000000000000 | | | | | | | | | 147.0 |
| 250000000000000 | | | | | | | | | 147.1 |
| 315000000000000 | | | | | | | | | 147.2 |
| 400000000000000 | | | | | | | | | 147.3 |
| 500000000000000 | | | | | | | | | 147.4 |
| 630000000000000 | | | | | | | | | 147.5 |
| 800000000000000 | | | | | | | | | 147.6 |
| 1000000000000000 | | | | | | | | | 147.7 |
| 1250000000000000 | | | | | | | | | 147.8 |
| 1600000000000000 | | | | | | | | | 147.9 |
| 2000000000000000 | | | | | | | | | 148.0 |
| 2500000000000000 | | | | | | | | | 148.1 |
| 3150000000000000 | | | | | | | | | 148.2 |
| 4000000000000000 | | | | | | | | | 148.3 |
| 5000000000000000 | | | | | | | | | 148.4 |
| 6300000000000000 | | | | | | | | | 148.5 |
| 8000000000000000 | | | | | | | | | 148.6 |
| 10000000000000000 | | | | | | | | | 148.7 |
| 12500000000000000 | | | | | | | | | 148.8 |
| 16000000000000000 | | | | | | | | | 148.9 |
| 20000000000000000 | | | | | | | | | 149.0 |
| 25000000000000000 | | | | | | | | | 149.1 |
| 31500000000000000 | | | | | | | | | 149.2 |
| 40000000000000000 | | | | | | | | | 149.3 |
| 50000000000000000 | | | | | | | | | 149.4 |
| 63000000000000000 | | | | | | | | | 149.5 |
| 80000000000000000 | | | | | | | | | 149.6 |
| 100000000000000000 | | | | | | | | | 149.7 |
| 125000000000000000 | | | | | | | | | 149.8 |
| 160000000000000000 | | | | | | | | | 149.9 |
| 200000000000000000 | | | | | | | | | 150.0 |
| 250000000000000000 | | | | | | | | | 150.1 |
| 315000000000000000 | | | | | | | | | |

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|----------------------------------|-----------------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | |
| SIDELINE 2400. FT.
(731.52 M) | NO EGA | 50 | 57.2 | 62.1 | 64.4 | 65.4 | 67.2 | 68.4 | 70.9 | 70.9 | 73.4 | 78.4 | 83.0 | 82.7 | |
| | | 63 | 58.7 | 64.1 | 64.2 | 67.0 | 69.7 | 70.7 | 71.7 | 72.5 | 75.7 | 81.9 | 86.1 | 86.2 | |
| | | 80 | 60.4 | 64.1 | 66.4 | 67.7 | 69.5 | 71.0 | 72.2 | 73.7 | 77.9 | 84.1 | 88.5 | 87.1 | |
| | NFA | 100 | 61.2 | 63.8 | 65.9 | 68.2 | 70.2 | 72.2 | 73.5 | 75.0 | 79.2 | 85.9 | 89.5 | 88.1 | |
| | 1. RPM | 125 | 62.4 | 65.3 | 67.4 | 69.5 | 71.5 | 72.7 | 74.7 | 76.0 | 80.7 | 86.4 | 89.9 | 88.6 | |
| (785. RPM/SEC) | NFK | 160 | 64.2 | 67.2 | 68.3 | 70.9 | 72.4 | 73.9 | 75.9 | 77.6 | 81.6 | 86.7 | 89.8 | 89.3 | |
| | 1. RPM | 200 | 66.8 | 69.6 | 71.0 | 72.6 | 73.8 | 75.3 | 76.8 | 78.3 | 82.5 | 86.4 | 88.7 | 89.1 | |
| | (0. RAD/SEC) | 250 | 65.4 | 69.7 | 72.4 | 73.0 | 74.0 | 76.0 | 77.8 | 79.2 | 83.2 | 86.0 | 88.2 | 88.9 | |
| | NFD | 315 | 64.9 | 68.5 | 69.8 | 72.1 | 73.9 | 76.2 | 76.9 | 78.4 | 83.5 | 85.9 | 87.3 | 88.3 | |
| | (785. RPM/SEC) | 400 | 65.8 | 68.7 | 71.0 | 72.4 | 74.4 | 75.7 | 77.7 | 79.4 | 83.5 | 85.3 | 87.4 | 86.8 | |
| AIRFLOW RATIO | | 500 | 64.4 | 67.6 | 70.7 | 72.6 | 74.0 | 75.5 | 78.0 | 79.1 | 83.2 | 85.0 | 87.0 | 84.4 | |
| | WF/WM | 630 | 64.7 | 67.6 | 70.5 | 72.2 | 74.3 | 75.3 | 77.5 | 79.2 | 83.5 | 84.9 | 86.6 | 81.6 | |
| | 4.63 | 800 | 62.9 | 66.1 | 69.2 | 70.9 | 73.3 | 74.6 | 77.5 | 78.6 | 81.7 | 83.8 | 84.0 | 78.7 | |
| | VEHICLE | 1000 | 61.4 | 65.9 | 68.5 | 70.6 | 72.7 | 74.5 | 76.5 | 78.3 | 81.0 | 82.3 | 81.6 | 76.5 | |
| | CONFIG | 1250 | 59.7 | 64.7 | 67.7 | 69.6 | 72.8 | 74.3 | 76.5 | 77.1 | 79.7 | 81.1 | 79.4 | 74.4 | |
| LOC C41 ANECH CH | | 1600 | 57.0 | 62.8 | 65.3 | 68.2 | 71.3 | 73.1 | 75.5 | 76.0 | 78.3 | 79.0 | 76.7 | 70.6 | |
| | DATE | 2000 | 53.5 | 62.0 | 64.0 | 66.4 | 69.7 | 70.8 | 73.7 | 73.6 | 76.0 | 76.5 | 73.3 | 66.8 | |
| | RUN CONFVLDPRN | 2500 | 49.4 | 59.1 | 62.0 | 64.0 | 66.4 | 67.8 | 70.9 | 70.2 | 72.0 | 72.2 | 68.1 | 61.0 | |
| | TAPE | 3150 | 43.2 | 53.5 | 57.5 | 61.6 | 63.4 | 63.6 | 66.9 | 65.4 | 67.2 | 66.2 | 61.7 | 53.5 | |
| | X71120 | 4000 | 32.8 | 43.7 | 49.7 | 54.0 | 58.5 | 57.8 | 60.8 | 58.0 | 59.5 | 55.6 | 50.6 | 39.6 | |
| FAN TIP SPEED | | 5000 | 25.7 | 38.9 | 43.6 | 48.9 | 53.0 | 53.5 | 54.0 | 53.2 | 54.4 | 50.2 | 45.3 | 30.6 | |
| | FT/SEC | 6300 | 11.0 | 26.4 | 33.8 | 39.7 | 43.9 | 44.5 | 45.8 | 43.0 | 42.8 | 38.9 | 30.1 | 13.9 | |
| | | 8000 | | 6.0 | 17.0 | 23.6 | 26.7 | 29.1 | 30.5 | 26.5 | 25.5 | 22.0 | 9.1 | | |
| | | 10000 | | | 0.4 | 3.6 | 7.5 | 7.5 | 7.7 | 2.6 | 1.3 | | | | |
| | | 12500 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 16000 | | | | | | | | | | | | | |
| | | | 75.3 | 78.9 | 81.2 | 82.9 | 84.9 | 86.4 | 88.4 | 89.6 | 93.5 | 96.7 | 99.1 | 98.1 | |
| PN98 | | | 80.2 | 85.0 | 87.5 | 89.9 | 92.6 | 93.9 | 96.3 | 96.8 | 99.8 | 101.7 | 102.9 | 101.1 | |
| | | | | | | | | | | | | | | 93.6 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7/12 ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| PROC. DATE - MONTH 8 DAY 25 HR. 21.6 | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| | | | | | | | | | |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) |
| 50 | 25.9 | 89.4 | 90.7 | 91.2 | 92.3 | 93.2 | 95.8 | 96.5 | 99.7 |
| 63 | 87.2 | 91.3 | 90.0 | 92.1 | 94.4 | 95.5 | 96.7 | 97.6 | 101.8 |
| 80 | 89.3 | 90.8 | 92.5 | 92.6 | 94.4 | 95.8 | 97.2 | 98.8 | 103.8 |
| 100 | 90.4 | 90.9 | 92.4 | 93.2 | 94.8 | 97.1 | 98.0 | 99.9 | 105.1 |
| 125 | 91.2 | 93.2 | 93.2 | 94.8 | 96.4 | 97.7 | 99.4 | 101.0 | 106.5 |
| 160 | 93.7 | 94.7 | 95.0 | 96.3 | 97.6 | 99.2 | 100.6 | 102.8 | 108.3 |
| 200 | 97.3 | 98.6 | 98.6 | 99.2 | 100.8 | 102.0 | 103.9 | 108.8 | 114.2 |
| 250 | 95.9 | 98.4 | 99.7 | 99.2 | 99.8 | 101.7 | 103.1 | 105.0 | 109.4 |
| 315 | 97.5 | 98.5 | 98.0 | 98.3 | 99.9 | 101.5 | 102.7 | 105.1 | 110.0 |
| 400 | 101.8 | 100.6 | 100.6 | 99.1 | 100.5 | 101.3 | 103.7 | 105.9 | 113.1 |
| 500 | 103.4 | 103.5 | 103.0 | 101.7 | 100.8 | 102.2 | 104.3 | 106.5 | 113.7 |
| 630 | 102.2 | 103.5 | 104.2 | 103.3 | 103.8 | 103.2 | 103.3 | 106.8 | 111.0 |
| 800 | 99.5 | 101.3 | 102.6 | 102.8 | 104.2 | 104.0 | 104.4 | 107.3 | 113.3 |
| 1000 | 98.6 | 99.7 | 101.0 | 101.2 | 102.6 | 104.9 | 105.3 | 107.0 | 113.0 |
| 1250 | 97.3 | 99.3 | 100.6 | 101.1 | 102.5 | 104.6 | 106.7 | 108.9 | 110.1 |
| 1600 | 96.2 | 98.5 | 100.1 | 101.6 | 102.9 | 104.5 | 106.4 | 108.1 | 110.1 |
| 2000 | 94.8 | 98.5 | 99.0 | 100.8 | 103.1 | 103.7 | 106.1 | 107.5 | 109.8 |
| 2500 | 93.3 | 96.8 | 98.2 | 99.9 | 101.0 | 102.8 | 105.2 | 105.6 | 108.2 |
| 3150 | 92.5 | 95.7 | 97.4 | 99.3 | 101.4 | 101.7 | 104.9 | 103.9 | 107.6 |
| 4000 | 89.9 | 93.2 | 95.8 | 97.7 | 100.7 | 100.3 | 102.9 | 102.5 | 105.5 |
| 5000 | 88.0 | 92.2 | 93.1 | 95.9 | 97.7 | 98.1 | 99.4 | 100.8 | 104.1 |
| 6300 | 87.1 | 91.6 | 92.8 | 96.3 | 98.5 | 97.7 | 99.7 | 102.6 | 102.2 |
| 8000 | 83.5 | 88.6 | 91.7 | 95.0 | 95.3 | 95.6 | 97.6 | 97.0 | 101.0 |
| 10000 | 80.2 | 85.0 | 89.0 | 92.6 | 91.2 | 92.7 | 93.5 | 92.7 | 97.5 |
| 12500 | 78.1 | 82.5 | 87.6 | 91.6 | 89.3 | 91.3 | 91.3 | 90.8 | 96.6 |
| 16000 | 79.3 | 83.7 | 89.8 | 94.9 | 92.1 | 94.8 | 95.7 | 91.1 | 100.1 |
| OVERALL CALCULATED | 110.4 | 111.7 | 112.4 | 112.9 | 114.1 | 115.1 | 116.8 | 118.2 | 121.9 |
| PND8 | 119.4 | 122.0 | 123.2 | 124.6 | 126.2 | 126.9 | 129.1 | 129.7 | 133.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7/13 ACOUSTIC RANGE 45.7m(150ft.) ARC FULL-33m²(513in²) SIZE

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|-------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| NO EGA | 57.7 | 62.8 | 65.1 | 66.4 | 67.9 | 68.9 | 71.4 | 71.7 | 74.1 |
| SIDELINE 2400. FT. | 59.0 | 64.6 | 64.5 | 67.2 | 70.0 | 71.2 | 72.2 | 72.7 | 75.2 |
| (731.52 M) | 60.9 | 64.1 | 66.9 | 67.7 | 70.0 | 71.5 | 72.7 | 73.9 | 78.2 |
| NFA (1. PP4) | 61.9 | 64.1 | 66.7 | 68.2 | 70.2 | 72.7 | 73.5 | 75.0 | 79.4 |
| 125 | 52.5 | 66.3 | 67.4 | 69.7 | 71.7 | 73.2 | 74.7 | 76.0 | 86.1 |
| HFA (C. RAD/SEC) | 65.0 | 67.7 | 69.1 | 71.1 | 72.9 | 74.6 | 75.9 | 77.6 | 82.3 |
| 200 | 68.3 | 71.3 | 72.5 | 73.3 | 74.3 | 76.1 | 77.1 | 78.6 | 82.7 |
| HFD (C. RAD/SEC) | 66.7 | 70.9 | 73.4 | 73.7 | 74.8 | 76.8 | 78.0 | 79.5 | 83.2 |
| 315 | 67.9 | 70.8 | 71.5 | 72.6 | 74.7 | 76.4 | 77.4 | 79.4 | 83.5 |
| (785. RAD/SEC) | 71.8 | 72.5 | 73.7 | 73.1 | 74.9 | 75.9 | 78.2 | 79.9 | 83.2 |
| AIRFLOW RATIO | 72.9 | 74.9 | 75.7 | 75.4 | 75.0 | 76.5 | 78.5 | 80.1 | 83.5 |
| WF/W 4.63 | 71.0 | 74.3 | 76.5 | 76.4 | 77.5 | 77.1 | 79.0 | 79.9 | 83.5 |
| VEHICLE | 67.4 | 71.4 | 74.2 | 75.4 | 77.3 | 77.3 | 77.5 | 79.9 | 81.9 |
| CONFIG | 65.4 | 68.9 | 71.8 | 73.1 | 75.0 | 77.3 | 78.8 | 80.8 | 82.8 |
| LOC C41 ANECHOIC | 62.7 | 67.4 | 70.5 | 72.1 | 74.0 | 76.3 | 78.3 | 80.0 | 81.1 |
| DATE 06-10-76 | 59.7 | 65.0 | 68.5 | 71.2 | 73.3 | 75.1 | 76.8 | 77.7 | 78.5 |
| RUN CONF7VELOEPN | 56.0 | 63.0 | 65.8 | 68.9 | 71.9 | 72.3 | 74.9 | 75.6 | 76.5 |
| TAPE | 51.2 | 58.6 | 62.5 | 65.8 | 67.7 | 69.8 | 71.9 | 72.5 | 71.4 |
| FAN TIP SPEED | 44.9 | 53.0 | 57.7 | 61.5 | 64.6 | 65.3 | 68.1 | 68.0 | 65.7 |
| FT/SEC | 34.2 | 43.7 | 50.2 | 54.5 | 58.8 | 58.8 | 61.0 | 59.3 | 63.0 |
| 5000 | 27.7 | 38.9 | 44.1 | 49.6 | 52.8 | 53.7 | 54.5 | 55.1 | 49.7 |
| 6300 | 13.0 | 26.8 | 33.7 | 40.7 | 44.9 | 44.7 | 46.0 | 43.7 | 43.5 |
| 8000 | 6.2 | 17.2 | 25.3 | 28.2 | 29.3 | 30.5 | 27.3 | 26.5 | 20.0 |
| 10000 | | | 5.1 | 5.3 | 8.0 | 7.5 | 3.3 | 1.5 | |
| 12500 | | | | | | | | | |
| 16000 | | | | | | | | | |
| OVERALL CALCULATED | 79.4 | 82.2 | 84.1 | 84.8 | 86.4 | 87.7 | 88.9 | 90.3 | 93.6 |
| P-37 | 72.0 | 88.4 | 90.6 | 92.0 | 94.2 | 95.5 | 97.1 | 98.0 | 100.1 |
| | | | | | | | | | 102.0 |
| | | | | | | | | | 104.5 |
| | | | | | | | | | 101.2 |
| | | | | | | | | | 94.2 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7/13 ACQUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PROC. DATE - MONTH 8 DAY 25 HR. 21.4 | | | | | | | | | |
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| 50 | 84.6 | 87.9 | 89.7 | 89.5 | 91.6 | 92.7 | 94.6 | 95.2 | 98.7 |
| 63 | 86.5 | 89.5 | 89.5 | 91.1 | 93.9 | 95.3 | 96.2 | 97.3 | 101.3 |
| 80 | 88.5 | 90.3 | 92.1 | 92.3 | 93.9 | 95.0 | 95.9 | 98.3 | 102.8 |
| 100 | 89.1 | 90.6 | 91.9 | 92.7 | 94.3 | 95.4 | 97.5 | 99.4 | 104.6 |
| 125 | 90.5 | 92.2 | 92.7 | 94.0 | 95.6 | 97.5 | 99.1 | 100.5 | 106.0 |
| 160 | 92.2 | 93.5 | 94.3 | 95.3 | 97.1 | 98.5 | 99.9 | 101.8 | 107.5 |
| 200 | 95.0 | 96.3 | 97.1 | 97.6 | 98.0 | 99.3 | 101.2 | 103.1 | 108.1 |
| 250 | 94.4 | 96.7 | 98.2 | 97.7 | 98.6 | 100.4 | 101.3 | 103.4 | 109.4 |
| 315 | 93.7 | 96.0 | 96.0 | 97.3 | 98.7 | 100.5 | 101.4 | 103.6 | 110.0 |
| 400 | 94.8 | 95.8 | 97.3 | 97.6 | 99.7 | 100.3 | 102.5 | 104.9 | 109.8 |
| 500 | 94.4 | 95.7 | 97.0 | 98.0 | 99.8 | 101.0 | 103.1 | 105.0 | 110.5 |
| 630 | 94.9 | 97.2 | 97.7 | 98.5 | 100.1 | 100.7 | 102.8 | 105.5 | 110.2 |
| 800 | 94.5 | 96.8 | 98.1 | 98.1 | 99.4 | 100.8 | 102.9 | 105.1 | 110.1 |
| 1000 | 96.1 | 98.4 | 98.2 | 99.0 | 99.6 | 101.2 | 103.3 | 106.2 | 109.5 |
| 1250 | 96.0 | 98.8 | 99.6 | 99.6 | 101.0 | 102.3 | 105.0 | 109.4 | 112.0 |
| 1600 | 94.2 | 97.0 | 98.1 | 100.4 | 101.9 | 102.8 | 104.9 | 105.6 | 109.1 |
| 2000 | 92.3 | 96.2 | 97.3 | 99.5 | 102.4 | 102.5 | 104.6 | 105.5 | 108.8 |
| 2500 | 89.6 | 95.6 | 96.7 | 98.4 | 100.7 | 101.8 | 104.2 | 104.1 | 107.2 |
| 3150 | 89.2 | 95.0 | 96.6 | 99.1 | 100.4 | 101.2 | 104.4 | 103.1 | 106.9 |
| 4000 | 87.4 | 92.2 | 94.8 | 96.9 | 100.4 | 100.0 | 102.7 | 102.0 | 105.5 |
| 5000 | 85.7 | 91.0 | 92.6 | 94.4 | 97.6 | 98.1 | 99.1 | 100.3 | 104.4 |
| 6300 | 83.8 | 89.4 | 92.8 | 94.5 | 97.3 | 97.5 | 99.7 | 99.0 | 102.6 |
| 8000 | 81.0 | 86.9 | 91.0 | 92.5 | 93.8 | 95.6 | 97.3 | 96.7 | 103.2 |
| 10000 | 78.2 | 83.5 | 87.5 | 89.1 | 89.7 | 92.7 | 93.0 | 92.7 | 101.8 |
| 12500 | 77.3 | 81.3 | 86.4 | 86.8 | 86.3 | 90.8 | 91.1 | 90.9 | 101.0 |
| 16000 | 80.1 | 83.4 | 89.8 | 87.7 | 87.2 | 94.8 | 95.7 | 90.7 | 103.1 |
| OVERALL CALCULATED | 106.1 | 108.7 | 109.8 | 110.8 | 112.6 | 113.6 | 115.6 | 117.0 | 121.4 |
| "NDB | 116.0 | 120.1 | 121.6 | 123.3 | 125.1 | 126.0 | 128.3 | 128.6 | 132.6 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7/14 ACOUSTIC RANGE 45.7m(150ft.) ARC FULL-33m²(513in²) SIZE

PROC. DATE - MONTH 6 DAY 25 HR. 21.4

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|--------|--|------|------|------|------|------|------|------|------|-------|-------|------|------|------|
| | | FULL SIZE SOUND PRESSURE ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.16)(3.35)(3.55)(3.77)(4.0) | | | | | | | | | | | | | |
| NO EGA | | 50 | 56.5 | 61.3 | 64.1 | 64.7 | 67.2 | 68.4 | 70.2 | 70.4 | 73.1 | 78.4 | 82.8 | 82.4 | 79.8 |
| SIDELINE 2400. FT. | | 63 | 58.2 | 63.9 | 64.0 | 66.2 | 69.5 | 71.0 | 71.7 | 72.5 | 75.7 | 81.4 | 85.3 | 85.2 | 81.5 |
| (731.52 M) | | 80 | 60.2 | 63.6 | 66.4 | 67.4 | 69.5 | 70.7 | 71.5 | 73.4 | 77.2 | 84.4 | 87.7 | 86.1 | 81.1 |
| NFA (0. RPM | | 100 | 60.7 | 63.8 | 66.2 | 67.7 | 69.7 | 72.0 | 73.1 | 74.5 | 78.9 | 86.1 | 89.2 | 87.1 | 81.7 |
| (0. RAD/SEC) | | 125 | 61.9 | 65.3 | 66.9 | 69.0 | 71.0 | 73.0 | 74.5 | 75.5 | 80.2 | 85.9 | 89.7 | 88.0 | 82.3 |
| NFK (0. RPM | | 160 | 63.5 | 66.4 | 68.3 | 70.1 | 72.4 | 73.9 | 75.1 | 76.6 | 81.6 | 86.5 | 89.0 | 87.8 | 82.3 |
| (0. RAD/SEC) | | 200 | 66.1 | 69.1 | 71.0 | 72.3 | 73.1 | 74.6 | 76.3 | 77.8 | 82.0 | 85.9 | 87.7 | 85.9 | 81.2 |
| NFD 7500. RPM | | 250 | 65.2 | 69.2 | 71.9 | 72.2 | 73.5 | 75.4 | 76.3 | 79.0 | 83.2 | 85.3 | 87.7 | 86.6 | 80.3 |
| (785. RAD/SEC) | | 315 | 64.2 | 68.3 | 69.5 | 71.6 | 73.4 | 75.4 | 76.2 | 77.9 | 83.5 | 85.9 | 87.5 | 85.5 | 80.3 |
| AIRFLOW RATIO | | 400 | 64.8 | 67.7 | 70.5 | 71.6 | 74.2 | 74.9 | 76.9 | 78.9 | 83.0 | 85.3 | 86.6 | 84.3 | 78.0 |
| WFM 4.63 | | 500 | 63.9 | 67.1 | 69.7 | 71.6 | 74.0 | 75.2 | 77.2 | 78.6 | 83.2 | 84.7 | 85.7 | 82.0 | 75.1 |
| VEHICLE | CELL41 | 630 | 63.7 | 68.1 | 70.0 | 71.7 | 73.8 | 74.6 | 76.5 | 78.7 | 82.5 | 84.2 | 85.1 | 80.3 | 72.5 |
| CONFIG | NC54 | 800 | 62.4 | 66.9 | 69.7 | 73.7 | 72.5 | 74.1 | 76.0 | 78.7 | 81.7 | 83.0 | 82.2 | 77.2 | 68.1 |
| LOC C41 ANECH CH | | 1000 | 62.9 | 67.6 | 69.0 | 70.8 | 72.0 | 73.8 | 75.7 | 78.1 | 81.3 | 81.5 | 80.8 | 75.2 | 65.9 |
| DATE C6-10-76 | | 1250 | 61.5 | 66.9 | 69.5 | 70.6 | 72.5 | 74.1 | 76.5 | 76.6 | 79.2 | 80.1 | 78.6 | 73.1 | 63.2 |
| RUN CONF7VELDEPN | | 1600 | 57.7 | 63.5 | 66.5 | 70.0 | 72.3 | 73.3 | 75.3 | 75.2 | 77.5 | 78.5 | 75.7 | 69.8 | 59.0 |
| TAPE X71140 | | 2000 | 53.5 | 60.8 | 64.0 | 67.6 | 71.2 | 71.5 | 73.4 | 73.6 | 75.5 | 76.2 | 72.3 | 66.8 | 54.0 |
| FAN TIP SPEED | | 2500 | 47.4 | 57.3 | 61.0 | 64.3 | 67.4 | 68.8 | 70.9 | 69.9 | 71.5 | 70.9 | 68.1 | 60.5 | 46.9 |
| FT/SEC | | 3150 | 41.7 | 52.2 | 57.0 | 61.3 | 63.6 | 64.8 | 67.6 | 65.3 | 67.2 | 65.4 | 61.0 | 53.5 | 35.5 |
| | | 4000 | 31.7 | 42.7 | 49.2 | 53.7 | 58.5 | 58.5 | 60.3 | 58.8 | 60.0 | 55.1 | 49.8 | 39.8 | 17.6 |
| | | 5000 | 25.4 | 37.6 | 43.6 | 48.1 | 52.8 | 53.7 | 54.3 | 54.0 | 55.4 | 49.4 | 43.8 | 30.1 | 6.5 |
| | | 6300 | 9.8 | 24.6 | 33.7 | 38.9 | 43.6 | 44.4 | 46.0 | 43.5 | 43.5 | 36.9 | 28.6 | 15.1 | |
| | | 8000 | 4.5 | 16.5 | 22.8 | 26.7 | 29.3 | 29.3 | 30.2 | 27.0 | 25.7 | 19.5 | 7.3 | | |
| | | 10000 | | | | 3.8 | 8.0 | 7.1 | 3.3 | 1.3 | | | | | |
| OVERALL CALCULATED | | 74.9 | 78.8 | 81.1 | 82.6 | 84.7 | 86.1 | 87.7 | 89.2 | 93.1 | 96.3 | 98.5 | 96.5 | 91.2 | |
| | | 79.6 | 84.8 | 87.7 | 90.3 | 93.0 | 94.0 | 95.9 | 96.5 | 99.4 | 101.4 | 102.2 | 99.2 | 92.5 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7/14 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 8 DAY 25 HR. 21.4
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | IN DEGREES (ARC MINUTES) | | | | | | | | | | | | IN DEGREES (ARC MINUTES) | | | | | | | | | | | | IN DEGREES (ARC MINUTES) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--------|--------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------------------------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | | | | | | | | | | | |
| FREQ. | NO EGA | 34.4 | 88.4 | 89.2 | 89.5 | 91.3 | 92.7 | 94.6 | 95.5 | 98.7 | 104.5 | 110.4 | 112.6 | 113.9 | 158.1 | 34.4 | 88.4 | 89.2 | 89.5 | 91.3 | 92.7 | 94.6 | 95.5 | 98.7 | 104.5 | 110.4 | 112.6 | 113.9 | 158.1 | 34.4 | 88.4 | 89.2 | 89.5 | 91.3 | 92.7 | 94.6 | 95.5 | 98.7 | 104.5 | 110.4 | 112.6 | 113.9 | 158.1 | | | | | | | | | | | | | |
| 50 | 63 | 66.5 | 90.3 | 89.8 | 92.0 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 66.5 | 90.3 | 89.8 | 92.0 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 66.5 | 90.3 | 89.8 | 92.0 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | | | | | | | | | | | | | |
| 80 | 82 | 88.3 | 89.8 | 92.0 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 88.3 | 89.8 | 92.0 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 88.3 | 89.8 | 92.0 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 88.3 | 89.8 | 92.0 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | | | | |
| 100 | 107 | 88.6 | 90.1 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 88.6 | 90.1 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 88.6 | 90.1 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | 158.1 | 88.6 | 90.1 | 91.6 | 93.4 | 94.8 | 95.7 | 98.1 | 103.0 | 109.6 | 114.8 | 115.5 | | | | | | | | |
| 125 | 125 | 90.0 | 91.7 | 92.5 | 93.8 | 95.4 | 96.7 | 98.9 | 100.5 | 105.5 | 111.3 | 114.8 | 116.5 | 158.1 | 90.0 | 91.7 | 92.5 | 93.8 | 95.4 | 96.7 | 98.9 | 100.5 | 105.5 | 111.3 | 114.8 | 116.5 | 158.1 | 90.0 | 91.7 | 92.5 | 93.8 | 95.4 | 96.7 | 98.9 | 100.5 | 105.5 | 111.3 | 114.8 | 116.5 | 158.1 | 90.0 | 91.7 | 92.5 | 93.8 | 95.4 | 96.7 | 98.9 | 100.5 | 105.5 | 111.3 | 114.8 | 116.5 | | | | |
| 160 | 160 | 91.5 | 93.2 | 94.0 | 95.0 | 97.1 | 97.7 | 99.1 | 101.5 | 107.3 | 112.1 | 114.8 | 116.5 | 158.1 | 91.5 | 93.2 | 94.0 | 95.0 | 97.1 | 97.7 | 99.1 | 101.5 | 107.3 | 112.1 | 114.8 | 116.5 | 158.1 | 91.5 | 93.2 | 94.0 | 95.0 | 97.1 | 97.7 | 99.1 | 101.5 | 107.3 | 112.1 | 114.8 | 116.5 | 158.1 | 91.5 | 93.2 | 94.0 | 95.0 | 97.1 | 97.7 | 99.1 | 101.5 | 107.3 | 112.1 | 114.8 | 116.5 | | | | |
| 200 | 200 | 93.8 | 95.3 | 96.1 | 97.4 | 97.7 | 98.8 | 100.2 | 102.9 | 107.8 | 112.2 | 113.9 | 115.3 | 116.3 | 158.1 | 93.8 | 95.3 | 96.1 | 97.4 | 97.7 | 98.8 | 100.2 | 102.9 | 107.8 | 112.2 | 113.9 | 115.3 | 116.3 | 158.1 | 93.8 | 95.3 | 96.1 | 97.4 | 97.7 | 98.8 | 100.2 | 102.9 | 107.8 | 112.2 | 113.9 | 115.3 | 116.3 | 158.1 | 93.8 | 95.3 | 96.1 | 97.4 | 97.7 | 98.8 | 100.2 | 102.9 | 107.8 | 112.2 | 113.9 | 115.3 | 116.3 |
| 250 | 250 | 92.9 | 95.4 | 97.2 | 97.0 | 97.8 | 99.7 | 101.3 | 103.5 | 109.2 | 112.8 | 114.0 | 116.2 | 158.1 | 92.9 | 95.4 | 97.2 | 97.0 | 97.8 | 99.7 | 101.3 | 103.5 | 109.2 | 112.8 | 114.0 | 116.2 | 158.1 | 92.9 | 95.4 | 97.2 | 97.0 | 97.8 | 99.7 | 101.3 | 103.5 | 109.2 | 112.8 | 114.0 | 116.2 | 158.1 | 92.9 | 95.4 | 97.2 | 97.0 | 97.8 | 99.7 | 101.3 | 103.5 | 109.2 | 112.8 | 114.0 | 116.2 | | | | |
| 315 | 315 | 93.2 | 95.5 | 96.0 | 96.6 | 98.4 | 100.8 | 101.4 | 103.1 | 109.5 | 112.9 | 114.3 | 116.0 | 158.1 | 93.2 | 95.5 | 96.0 | 96.6 | 98.4 | 100.8 | 101.4 | 103.1 | 109.5 | 112.9 | 114.3 | 116.0 | 158.1 | 93.2 | 95.5 | 96.0 | 96.6 | 98.4 | 100.8 | 101.4 | 103.1 | 109.5 | 112.9 | 114.3 | 116.0 | 158.1 | 93.2 | 95.5 | 96.0 | 96.6 | 98.4 | 100.8 | 101.4 | 103.1 | 109.5 | 112.9 | 114.3 | 116.0 | | | | |
| 400 | 400 | 94.3 | 95.3 | 97.1 | 97.4 | 99.7 | 100.1 | 102.5 | 104.9 | 110.1 | 112.9 | 115.4 | 117.0 | 158.1 | 94.3 | 95.3 | 97.1 | 97.4 | 99.7 | 100.1 | 102.5 | 104.9 | 110.1 | 112.9 | 115.4 | 117.0 | 158.1 | 94.3 | 95.3 | 97.1 | 97.4 | 99.7 | 100.1 | 102.5 | 104.9 | 110.1 | 112.9 | 115.4 | 117.0 | 158.1 | 94.3 | 95.3 | 97.1 | 97.4 | 99.7 | 100.1 | 102.5 | 104.9 | 110.1 | 112.9 | 115.4 | 117.0 | | | | |
| 500 | 500 | 94.4 | 96.0 | 97.2 | 98.2 | 99.3 | 100.7 | 103.1 | 105.0 | 110.7 | 112.6 | 115.8 | 116.7 | 158.1 | 94.4 | 96.0 | 97.2 | 98.2 | 99.3 | 100.7 | 103.1 | 105.0 | 110.7 | 112.6 | 115.8 | 116.7 | 158.1 | 94.4 | 96.0 | 97.2 | 98.2 | 99.3 | 100.7 | 103.1 | 105.0 | 110.7 | 112.6 | 115.8 | 116.7 | 158.1 | 94.4 | 96.0 | 97.2 | 98.2 | 99.3 | 100.7 | 103.1 | 105.0 | 110.7 | 112.6 | 115.8 | 116.7 | | | | |
| 630 | 630 | 94.9 | 96.5 | 97.5 | 98.5 | 100.1 | 101.0 | 103.1 | 105.8 | 110.5 | 113.3 | 115.5 | 115.2 | 158.1 | 94.9 | 96.5 | 97.5 | 98.5 | 100.1 | 101.0 | 103.1 | 105.8 | 110.5 | 113.3 | 115.5 | 115.2 | 158.1 | 94.9 | 96.5 | 97.5 | 98.5 | 100.1 | 101.0 | 103.1 | 105.8 | 110.5 | 113.3 | 115.5 | 115.2 | 158.1 | 94.9 | 96.5 | 97.5 | 98.5 | 100.1 | 101.0 | 103.1 | 105.8 | 110.5 | 113.3 | 115.5 | 115.2 | | | | |
| 800 | 800 | 94.5 | 96.5 | 97.3 | 98.1 | 99.4 | 101.0 | 103.2 | 106.3 | 109.6 | 112.7 | 114.3 | 112.8 | 158.1 | 94.5 | 96.5 | 97.3 | 98.1 | 99.4 | 101.0 | 103.2 | 106.3 | 109.6 | 112.7 | 114.3 | 112.8 | 158.1 | 94.5 | 96.5 | 97.3 | 98.1 | 99.4 | 101.0 | 103.2 | 106.3 | 109.6 | 112.7 | 114.3 | 112.8 | 158.1 | 94.5 | 96.5 | 97.3 | 98.1 | 99.4 | 101.0 | 103.2 | 106.3 | 109.6 | 112.7 | 114.3 | 112.8 | | | | |
| 1000 | 1000 | 94.9 | 96.4 | 97.5 | 98.2 | 99.8 | 101.2 | 103.8 | 106.5 | 109.7 | 112.3 | 113.5 | 112.1 | 158.1 | 94.9 | 96.4 | 97.5 | 98.2 | 99.8 | 101.2 | 103.8 | 106.5 | 109.7 | 112.3 | 113.5 | 112.1 | 158.1 | 94.9 | 96.4 | 97.5 | 98.2 | 99.8 | 101.2 | 103.8 | 106.5 | 109.7 | 112.3 | 113.5 | 112.1 | 158.1 | 94.9 | 96.4 | 97.5 | 98.2 | 99.8 | 101.2 | 103.8 | 106.5 | 109.7 | 112.3 | 113.5 | 112.1 | | | | |
| 1250 | 1250 | 94.5 | 96.8 | 97.4 | 98.6 | 100.7 | 102.3 | 104.7 | 106.4 | 109.9 | 112.2 | 112.4 | 111.6 | 109.6 | 161.2 | 94.5 | 96.8 | 97.4 | 98.6 | 100.7 | 102.3 | 104.7 | 106.4 | 109.9 | 112.2 | 112.4 | 111.6 | 109.6 | 161.2 | 94.5 | 96.8 | 97.4 | 98.6 | 100.7 | 102.3 | 104.7 | 106.4 | 109.9 | 112.2 | 112.4 | 111.6 | 109.6 | 161.2 | 94.5 | 96.8 | 97.4 | 98.6 | 100.7 | 102.3 | 104.7 | 106.4 | 109.9 | 112.2 | 112.4 | 111.6 | |
| 1600 | 1600 | 93.5 | 96.0 | 97.1 | 98.9 | 100.9 | 102.5 | 105.4 | 105.9 | 109.9 | 112.0 | 111.7 | 110.0 | 108.8 | 160.8 | 93.5 | 96.0 | 97.1 | 98.9 | 100.9 | 102.5 | 105.4 | 105.9 | 109.9 | 112.0 | 111.7 | 110.0 | 108.8 | 160.8 | 93.5 | 96.0 | 97.1 | 98.9 | 100.9 | 102.5 | 105.4 | 105.9 | 109.9 | 112.0 | 111.7 | 110.0 | 108.8 | 160.8 | 93.5 | 96.0 | 97.1 | 98.9 | 100.9 | 102.5 | 105.4 | 105.9 | 109.9 | 112.0 | 111.7 | 110.0 | |
| 2000 | 2000 | 92.3 | 97.0 | 97.0 | 98.5 | 101.1 | 101.7 | 104.3 | 106.3 | 109.8 | 111.2 | 110.9 | 110.0 | 108.5 | 160.8 | 92.3 | 97.0 | 97.0 | 98.5 | 101.1 | 101.7 | 104.3 | 106.3 | 109.8 | 111.2 | 110.9 | 110.0 | 108.5 | 160.8 | 92.3 | 97.0 | 97.0 | 98.5 | 101.1 | 101.7 | 104.3 | 106.3 | 109.8 | 111.2 | 110.9 | 110.0 | 108.5 | 160.8 | 92.3 | 97.0 | 97.0 | 98.5 | 101.1 | 101.7 | 104.3 | 106.3 | 109.8 | 111.2 | 110.9 | 110.0 | |
| 2500 | 2500 | 90.8 | 96.6 | 97.2 | 97.9 | 99.7 | 101.1 | 103.7 | 104.3 | 107.4 | 109.4 | 109.3 | 108.0 | 107.8 | 159.1 | 90.8 | 96.6 | 97.2 | 97.9 | 99.7 | 101.1 | 103.7 | 104.3 | 107.4 | 109.4 | 109.3 | 108.0 | 107.8 | 159.1 | 90.8 | 96.6 | 97.2 | 97.9 | 99.7 | 101.1 | 103.7 | 104.3 | 107.4 | 109.4 | 109.3 | 108.0 | 107.8 | 159.1 | 90.8 | 96.6 | 97.2 | 97.9 | 99.7 | 101.1 | 103.7 | 104.3 | 107.4 | 109.4 | 109.3 | 108.0 | |
| 3150 | 3150 | 89.4 | 95.2 | 97.1 | 99.3 | 100.1 | 100.2 | 103.4 | 103.4 | 107.4 | 107.9 | 108.3 | 108.0 | 107.0 | 153.5 | 89.4 | 95.2 | 97.1 | 99.3 | 100.1 | 100.2 | 103.4 | 103.4 | 107.4 | 107.9 | 108.3 | 108.0 | 107.0 | 153.5 | 89.4 | 95.2 | 97.1 | 99.3 | 100.1 | 100.2 | 103.4 | 103.4 | 107.4 | 107.9 | 108.3 | 108.0 | 107.0 | 153.5 | 89.4 | 95.2 | 97.1 | 99.3 | 100.1 | 100.2 | 103.4 | 103.4 | 107.4 | 107.9 | 108.3 | 108.0 | |
| 4000 | 4000 | 87.4 | 92.7 | 95.0 | 96.9 | 100.4 | 99.5 | 102.4 | 101.7 | 105.0 | 105.1 | 104.7 | 103.6 | 104.0 | 156.7 | 87.4 | 92.7 | 95.0 | 96.9 | 100.4 | 99.5 | 102.4 | 101.7 | 105.0 | 105.1 | 104.7 | 103.6 | 104.0 | 156.7 | 87.4 | 92.7 | 95.0 | 96.9 | 100.4 | 99.5 | 102.4 | 101.7 | 105.0 | 105.1 | 104.7 | 103.6 | 104.0 | 156.7 | 87.4 | 92.7 | 95.0 | 96.9 | 100.4 | 99.5 | 102.4 | 101.7 | 105.0 | 105.1 | 104.7 | 103.6 | 104.0 |
| 5000 | 5000 | 86.0 | 91.5 | 92.6 | 95.2 | 96.9 | 98.1 | 98.9 | 100.3 | 103.9 | 102.5 | 104.3 | 101.7 | 103.0 | 154.9 | 86.0 | 91.5 | 92.6 | 95.2 | 96.9 | 98.1 | 98.9 | 100.3 | 103.9 | 102.5 | 104.3 | 101.7 | 103.0 | 154.9 | 86.0 | 91.5 | 92.6 | 95.2 | 96.9 | 98.1 | 98.9 | 100.3 | 103.9 | 102.5 | 104.3 | 101.7 | 103.0 | 154.9 | 86.0 | 91.5 | 92.6 | 95.2 | 96.9 | 98.1 | 98.9 | 100.3 | 103.9 | 102.5 | 104.3 | 101.7 | 103.0 |
| 6300 | 6300 | 84.3 | 90.9 | 92.8 | 95.3 | 97.0 | 97.2 | 99.2 | 99.0 | 102.8 | 102.2 | 102.9 | 103.3 | 101.8 | 155.3 | 84.3 | 90.9 | 92.8 | 95.3 | 97.0 | 97.2 | 99.2 | 99.0 | 102.8 | 102.2 | 102.9 | 103.3 | 101.8 | 155.3 | 84.3 | 90.9 | 92.8 | 95.3 | 97.0 | 97.2 | 99.2 | 99.0 | 102.8 | 102.2 | 102.9 | 103.3 | 101.8 | 155.3 | 84.3 | 90.9 | 92.8 | 95.3 | 97.0 | 97.2 | 99.2 | 99.0 | 102.8 | 102.2 | 102.9 | 103.3 | 101.8 |
| 8000 | 8000 | 81.8 | 87.9 | 91.2 | 93.0 | 94.3 | 95.4 | 97.1 | 96.2 | 101.2 | 102.6 | 102.2 | 102.3 | 100.1 | 154.6 | 81.8 | 87.9 | 91.2 | 93.0 | 94.3 | 95.4 | 97.1 | 96.2 | 101.2 | 102.6 | 102.2 | 102.3 | 100.1 | 154.6 | 81.8 | 87.9 | 91.2 | 93.0 | 94.3 | 95.4 | 97.1 | 96.2 | 101.2 | 102.6 | 102.2 | 102.3 | 100.1 | 154.6 | 81.8 | 87.9 | 91.2 | 93.0 | 94.3 | 95.4 | 97.1 | 96.2 | 101.2 | 102.6 | 102.2 | 102.3 | 100.1 |
| 10000 | 10000 | 78.6 | 84.5 | 88.5 | 89.3 | 88.9 | 92.5 | 92.7 | 92.2 | 98.8 | 100.3 | 101.4 | 96.9 | 97.0 | 153.0 | 78.6 | 84.5 | 88.5 | 89.3 | 88.9 | 92.5 | 92.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7115 ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-33m²(513in²)

PROC. DATE - MONTH 8 DAY 25 HR. 21.4

| FULL SCALE DATA REDUCTION PROGRAM | | | | | | | | | |
|--|-------|------|------|------|------|------|------|------|-------|
| LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. |
| NO EGA | 52 | 56.2 | 61.8 | 63.6 | 64.7 | 66.9 | 68.4 | 70.2 | 73.1 |
| SIDELINE 2400. FT. | 63 | 58.2 | 63.6 | 63.7 | 66.0 | 69.0 | 70.5 | 71.2 | 72.2 |
| (731.52 M) | 80 | 59.9 | 63.1 | 66.4 | 66.7 | 69.0 | 70.5 | 71.2 | 72.2 |
| WFA | 100 | 60.2 | 63.3 | 65.9 | 68.0 | 69.7 | 71.5 | 73.0 | 73.7 |
| (1. RPM) | 125 | 61.4 | 64.8 | 66.7 | 68.7 | 70.7 | 72.2 | 74.2 | 75.5 |
| (0. RAD/SEC) | 160 | 62.7 | 66.2 | 68.1 | 69.9 | 72.4 | 74.1 | 76.4 | 77.9 |
| NFK | 200 | 64.8 | 68.1 | 70.0 | 71.1 | 72.8 | 74.1 | 75.3 | 77.6 |
| (0. RAD/SEC) | 250 | 63.7 | 67.9 | 70.9 | 71.5 | 72.8 | 74.8 | 76.3 | 78.0 |
| NFD | 315 | 63.7 | 67.8 | 69.5 | 70.9 | 73.2 | 75.7 | 77.4 | 83.0 |
| (785. RAD/SEC) | 400 | 64.3 | 67.2 | 70.2 | 71.4 | 74.2 | 76.9 | 78.9 | 83.2 |
| AIRFLOW RATIO | 500 | 63.9 | 67.4 | 70.0 | 71.9 | 73.5 | 75.0 | 77.2 | 83.5 |
| 4F/W 4.63 | 630 | 63.7 | 67.3 | 69.7 | 71.7 | 73.8 | 74.8 | 76.3 | 82.7 |
| VEHICLE | 800 | 62.4 | 66.6 | 68.9 | 70.6 | 72.5 | 74.3 | 76.3 | 82.7 |
| CONFIG | 1000 | 61.7 | 65.6 | 68.3 | 70.1 | 72.2 | 73.8 | 76.2 | 82.2 |
| LOC C41 ANECH CH | 1250 | 60.0 | 64.9 | 67.2 | 69.6 | 72.3 | 74.1 | 76.3 | 80.5 |
| DATE 06-10-76 | 1600 | 57.0 | 62.5 | 65.5 | 68.5 | 71.3 | 73.1 | 75.8 | 78.3 |
| RUN CONTVELDEPN | 2000 | 53.5 | 61.8 | 63.3 | 66.6 | 69.9 | 70.8 | 73.2 | 76.5 |
| TAPE X71150 | 2500 | 48.7 | 58.3 | 61.5 | 63.7 | 66.4 | 68.1 | 70.4 | 72.0 |
| FAN TIP SPEED | 3150 | 41.9 | 52.5 | 57.5 | 61.5 | 63.4 | 63.8 | 66.6 | 67.7 |
| FT/SEC | 4000 | 31.7 | 43.2 | 49.4 | 53.7 | 58.5 | 58.0 | 60.5 | 62.7 |
| | 5000 | 25.7 | 38.1 | 43.6 | 48.8 | 52.0 | 53.7 | 54.0 | 54.9 |
| | 6300 | 10.3 | 26.1 | 33.7 | 39.7 | 43.4 | 44.2 | 45.5 | 43.8 |
| | 8000 | 5.5 | 16.7 | 23.3 | 27.2 | 29.1 | 29.9 | 26.5 | 26.7 |
| | 10000 | | | | | 7.7 | 6.8 | 2.3 | 2.7 |
| | 12500 | | | | | | | | |
| OVERALL CALCULATED | 74.2 | 78.2 | 80.5 | 82.2 | 84.4 | 85.8 | 87.6 | 89.2 | 93.1 |
| PIDS | 79.1 | 84.5 | 87.1 | 89.6 | 92.3 | 93.7 | 95.9 | 96.7 | 99.7 |
| | | | | | | | | | 100.9 |
| | | | | | | | | | 95.4 |
| | | | | | | | | | 98.5 |
| | | | | | | | | | 92.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 7115 ACoustic RANGE 731.5m(2400ft.) SIDELINE FULL-33m²(513in²) SIZE

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| 7 | 760R | 12.2m(40ft.) ARC | MODEL-154cm ² (23.9in ²) |

PROC. DATE - MONTH 9 DAY 7 HR. 17.6
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| REQ. | FREQ. | | | | | | | | | | | | | FREQ. | | | | | | | | | | | | | P/L | |
|------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | | 300. |
| NO EGA | 50 | 70.9 | 73.7 | 74.9 | 76.7 | 76.1 | 77.7 | 79.6 | 81.5 | 82.9 | 87.0 | 88.1 | 89.4 | 90.3 | 91.5 | 92.9 | 94.7 | 96.5 | 97.3 | 98.1 | 98.9 | 99.7 | 100.5 | 101.3 | 102.1 | 102.9 | 103.7 | 104.5 |
| D. | 63 | 72.2 | 75.5 | 75.5 | 77.6 | 79.4 | 80.4 | 82.8 | 85.3 | 88.1 | 93.3 | 96.5 | 97.3 | 98.1 | 98.9 | 99.7 | 100.5 | 101.3 | 102.1 | 102.9 | 103.7 | 104.5 | 105.3 | 106.1 | 106.9 | 107.7 | 108.5 | 109.3 |
| RADIAL 150. FT. | 80 | 73.6 | 75.8 | 77.3 | 78.3 | 79.2 | 80.0 | 81.2 | 83.8 | 86.3 | 89.4 | 94.1 | 96.8 | 96.5 | 95.1 | 93.8 | 92.7 | 91.6 | 90.5 | 89.4 | 88.3 | 87.2 | 86.1 | 85.0 | 83.9 | 82.8 | 81.7 | 80.6 |
| (40. M) | 100 | 74.4 | 75.4 | 77.1 | 78.2 | 79.5 | 80.9 | 82.0 | 84.4 | 86.9 | 90.4 | 94.7 | 95.8 | 95.1 | 93.8 | 92.7 | 91.6 | 90.5 | 89.4 | 88.3 | 87.2 | 86.1 | 85.0 | 83.9 | 82.8 | 81.7 | 80.6 | 79.5 |
| VEHICLE CELL41 | 125 | 75.2 | 77.2 | 79.0 | 80.3 | 81.4 | 82.5 | 83.6 | 86.0 | 88.0 | 90.3 | 93.8 | 93.2 | 90.0 | 88.3 | 87.2 | 86.1 | 85.0 | 83.9 | 82.8 | 81.7 | 80.6 | 79.5 | 78.4 | 77.3 | 76.2 | 75.1 | 74.0 |
| CONFIG NC53 | 160 | 75.5 | 77.2 | 79.0 | 80.3 | 81.4 | 82.5 | 83.6 | 86.0 | 88.0 | 90.3 | 93.8 | 93.2 | 90.0 | 88.3 | 87.2 | 86.1 | 85.0 | 83.9 | 82.8 | 81.7 | 80.6 | 79.5 | 78.4 | 77.3 | 76.2 | 75.1 | 74.0 |
| LOC C41 ANECH CH | 200 | 76.3 | 78.1 | 79.3 | 80.1 | 81.7 | 82.8 | 83.7 | 86.1 | 88.2 | 90.5 | 92.9 | 91.3 | 88.5 | 86.8 | 85.1 | 83.4 | 81.7 | 80.0 | 78.3 | 76.6 | 74.9 | 73.2 | 71.5 | 69.8 | 68.1 | 66.4 | 64.7 |
| DATE 06-16-76 | 250 | 76.1 | 77.9 | 80.4 | 81.6 | 83.4 | 83.6 | 86.5 | 88.2 | 90.5 | 91.2 | 89.4 | 85.4 | 82.4 | 79.4 | 76.4 | 73.4 | 70.4 | 67.4 | 64.4 | 61.4 | 58.4 | 55.4 | 52.4 | 49.4 | 46.4 | 43.4 | 40.4 |
| RUN CONF7MEPEATH | 315 | 76.5 | 78.3 | 79.3 | 80.3 | 82.2 | 83.5 | 84.2 | 85.6 | 88.3 | 90.4 | 90.3 | 86.0 | 84.3 | 82.6 | 80.9 | 79.2 | 77.5 | 75.8 | 74.1 | 72.4 | 70.7 | 69.0 | 67.3 | 65.6 | 63.9 | 62.2 | 60.5 |
| TAPE XQ760D | 400 | 76.0 | 77.8 | 79.3 | 81.7 | 82.8 | 84.2 | 85.6 | 87.1 | 88.9 | 88.6 | 84.0 | 82.3 | 80.6 | 78.9 | 77.2 | 75.5 | 73.8 | 72.1 | 70.4 | 68.7 | 67.0 | 65.3 | 63.6 | 61.9 | 60.2 | 58.5 | 56.8 |
| BAR 29.3 HG | 500 | 76.2 | 77.7 | 79.0 | 79.7 | 81.3 | 82.0 | 83.3 | 85.2 | 87.0 | 87.1 | 86.8 | 84.2 | 80.7 | 78.2 | 75.7 | 73.2 | 70.7 | 68.2 | 65.7 | 63.2 | 60.7 | 58.2 | 55.7 | 53.2 | 50.7 | 48.2 | 45.7 |
| (99243. N/M2) | 630 | 75.4 | 77.5 | 79.5 | 80.0 | 81.6 | 81.7 | 82.8 | 85.0 | 86.7 | 87.3 | 86.3 | 82.9 | 80.0 | 77.1 | 74.2 | 71.3 | 68.4 | 65.5 | 62.6 | 59.7 | 56.8 | 53.9 | 51.0 | 48.1 | 45.2 | 42.3 | 39.4 |
| TAMB 66. DEG F | 800 | 74.5 | 76.5 | 78.6 | 78.8 | 80.2 | 81.3 | 82.4 | 84.6 | 85.3 | 85.9 | 84.1 | 81.3 | 78.3 | 75.3 | 72.3 | 69.3 | 66.3 | 63.3 | 60.3 | 57.3 | 54.3 | 51.3 | 48.3 | 45.3 | 42.3 | 39.3 | 36.3 |
| (292. DEG K) | 1000 | 73.6 | 75.7 | 77.7 | 79.0 | 80.3 | 81.2 | 81.6 | 84.2 | 85.4 | 85.0 | 83.7 | 81.1 | 78.7 | 76.1 | 73.5 | 70.9 | 68.3 | 65.7 | 63.1 | 60.5 | 57.9 | 55.3 | 52.7 | 50.1 | 47.5 | 44.9 | 42.3 |
| TWET 64. DEG F | 1250 | 72.5 | 75.1 | 76.9 | 78.4 | 80.2 | 81.6 | 83.0 | 83.6 | 85.4 | 84.2 | 83.2 | 81.8 | 80.6 | 79.4 | 78.2 | 77.0 | 75.8 | 74.6 | 73.4 | 72.2 | 71.0 | 69.8 | 68.6 | 67.4 | 66.2 | 65.0 | 63.8 |
| (291. DEG K) | 1600 | 71.9 | 74.3 | 75.8 | 77.6 | 80.2 | 81.0 | 82.4 | 83.6 | 85.1 | 84.2 | 82.6 | 80.8 | 79.5 | 78.3 | 77.1 | 75.9 | 74.7 | 73.5 | 72.3 | 71.1 | 69.9 | 68.7 | 67.5 | 66.3 | 65.1 | 63.9 | 62.7 |
| HACT14.88 GM/M3 | 2000 | 70.1 | 73.9 | 75.2 | 77.0 | 79.8 | 80.2 | 81.8 | 82.7 | 84.5 | 83.4 | 81.3 | 80.2 | 79.0 | 77.9 | 76.8 | 75.7 | 74.6 | 73.5 | 72.4 | 71.3 | 70.2 | 69.1 | 68.0 | 66.9 | 65.8 | 64.7 | 63.6 |
| (.01488 KG/M3) | 2500 | 68.0 | 71.0 | 73.6 | 75.6 | 78.4 | 79.3 | 80.9 | 81.0 | 82.4 | 82.0 | 80.2 | 79.8 | 78.6 | 77.5 | 76.4 | 75.3 | 74.2 | 73.1 | 72.0 | 70.9 | 69.8 | 68.7 | 67.6 | 66.5 | 65.4 | 64.3 | 63.2 |
| FREQ. SHIFT | 3150 | 66.9 | 69.6 | 72.0 | 75.2 | 77.5 | 78.1 | 80.5 | 80.0 | 82.4 | 82.0 | 80.2 | 79.8 | 78.6 | 77.5 | 76.4 | 75.3 | 74.2 | 73.1 | 72.0 | 70.9 | 69.8 | 68.7 | 67.6 | 66.5 | 65.4 | 64.3 | 63.2 |
| JET 7 | 4000 | 64.7 | 67.7 | 70.8 | 72.5 | 76.5 | 76.6 | 79.2 | 77.3 | 79.3 | 77.8 | 77.1 | 78.7 | 79.1 | 78.7 | 77.3 | 75.9 | 74.5 | 73.1 | 71.7 | 70.3 | 68.9 | 67.5 | 66.1 | 64.7 | 63.3 | 61.9 | 60.5 |
| DIAPHRAM RATIO | 5000 | 62.7 | 66.7 | 68.8 | 70.7 | 73.6 | 74.6 | 75.4 | 75.8 | 78.6 | 74.7 | 75.0 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| OF/DM 4.63 | 6300 | 61.5 | 66.0 | 69.4 | 70.9 | 73.2 | 73.9 | 75.6 | 74.6 | 75.9 | 72.7 | 71.7 | 71.6 | 69.1 | 68.1 | 67.0 | 65.9 | 64.8 | 63.7 | 62.6 | 61.5 | 60.4 | 59.3 | 58.2 | 57.1 | 56.0 | 54.9 | 53.8 |
| OVERALL CAL. | 8000 | 58.8 | 63.6 | 68.1 | 68.7 | 70.3 | 72.1 | 74.3 | 70.9 | 72.9 | 70.9 | 68.3 | 67.5 | 65.3 | 64.3 | 63.2 | 62.1 | 61.0 | 59.9 | 58.8 | 57.7 | 56.6 | 55.5 | 54.4 | 53.3 | 52.2 | 51.1 | 50.0 |
| LATED | 10000 | 56.0 | 60.3 | 65.2 | 65.0 | 65.2 | 69.8 | 69.8 | 66.2 | 67.9 | 65.1 | 63.8 | 60.1 | 59.3 | 58.2 | 57.1 | 56.0 | 54.9 | 53.8 | 52.7 | 51.6 | 50.5 | 49.4 | 48.3 | 47.2 | 46.1 | 45.0 | 43.9 |
| PNDB | 12500 | 55.7 | 58.5 | 63.3 | 62.3 | 62.1 | 68.3 | 67.9 | 62.1 | 62.1 | 61.0 | 59.1 | 54.7 | 54.6 | 53.5 | 52.4 | 51.3 | 50.2 | 49.1 | 48.0 | 46.9 | 45.8 | 44.7 | 43.6 | 42.5 | 41.4 | 40.3 | 39.2 |
| | 16000 | 58.3 | 61.4 | 67.3 | 64.1 | 63.6 | 72.5 | 72.5 | 58.8 | 60.1 | 62.9 | 59.1 | 54.1 | 56.3 | 55.2 | 54.1 | 53.0 | 51.9 | 50.8 | 49.7 | 48.6 | 47.5 | 46.4 | 45.3 | 44.2 | 43.1 | 42.0 | 40.9 |
| | 20000 | 55.1 | 58.0 | 63.9 | 60.8 | 60.3 | 70.7 | 70.7 | 56.8 | 58.2 | 61.0 | 57.0 | 51.9 | 54.1 | 53.0 | 51.9 | 50.8 | 49.7 | 48.6 | 47.5 | 46.4 | 45.3 | 44.2 | 43.1 | 42.0 | 40.9 | 39.8 | 38.7 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **760R** ACOUSTIC RANGE **45.7m(150ft.)** ARC **FULL-33m²(513in²)**

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | | | | | | |
| (0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.00)(3.20)(3.44)(3.65)(3.86)(4.07)(4.28)(4.49)(4.70)(4.91)(5.12)(5.33)(5.54)(5.75)(5.96)(6.17)(6.38)(6.59)(6.80)(7.01)(7.22)(7.43)(7.64)(7.85)(8.06)(8.27)(8.48)(8.69)(8.90)(9.11)(9.32)(9.53)(9.74)(9.95)(10.16)(10.37)(10.58)(10.79)(11.00)(11.21)(11.42)(11.63)(11.84)(12.05)(12.26)(12.47)(12.68)(12.89)(13.10)(13.31)(13.52)(13.73)(13.94)(14.15)(14.36)(14.57)(14.78)(14.99)(15.20)(15.41)(15.62)(15.83)(16.04)(16.25)(16.46)(16.67)(16.88)(17.09)(17.30)(17.51)(17.72)(17.93)(18.14)(18.35)(18.56)(18.77)(18.98)(19.19)(19.40)(19.61)(19.82)(20.03)(20.24)(20.45)(20.66)(20.87)(21.08)(21.29)(21.50)(21.71)(21.92)(22.13)(22.34)(22.55)(22.76)(22.97)(23.18)(23.39)(23.60)(23.81)(24.02)(24.23)(24.44)(24.65)(24.86)(25.07)(25.28)(25.49)(25.70)(25.91)(26.12)(26.33)(26.54)(26.75)(26.96)(27.17)(27.38)(27.59)(27.80)(28.01)(28.22)(28.43)(28.64)(28.85)(29.06)(29.27)(29.48)(29.69)(29.90)(30.11)(30.32)(30.53)(30.74)(30.95)(31.16)(31.37)(31.58)(31.79)(32.00)(32.21)(32.42)(32.63)(32.84)(33.05)(33.26)(33.47)(33.68)(33.89)(34.10)(34.31)(34.52)(34.73)(34.94)(35.15)(35.36)(35.57)(35.78)(35.99)(36.20)(36.41)(36.62)(36.83)(37.04)(37.25)(37.46)(37.67)(37.88)(38.09)(38.30)(38.51)(38.72)(38.93)(39.14)(39.35)(39.56)(39.77)(39.98)(40.19)(40.40)(40.61)(40.82)(41.03)(41.24)(41.45)(41.66)(41.87)(42.08)(42.29)(42.50)(42.71)(42.92)(43.13)(43.34)(43.55)(43.76)(43.97)(44.18)(44.39)(44.60)(44.81)(45.02)(45.23)(45.44)(45.65)(45.86)(46.07)(46.28)(46.49)(46.70)(46.91)(47.12)(47.33)(47.54)(47.75)(47.96)(48.17)(48.38)(48.59)(48.80)(49.01)(49.22)(49.43)(49.64)(49.85)(50.06)(50.27)(50.48)(50.69)(50.90)(51.11)(51.32)(51.53)(51.74)(51.95)(52.16)(52.37)(52.58)(52.79)(53.00)(53.21)(53.42)(53.63)(53.84)(54.05)(54.26)(54.47)(54.68)(54.89)(55.10)(55.31)(55.52)(55.73)(55.94)(56.15)(56.36)(56.57)(56.78)(56.99)(57.20)(57.41)(57.62)(57.83)(58.04)(58.25)(58.46)(58.67)(58.88)(59.09)(59.30)(59.51)(59.72)(59.93)(60.14)(60.35)(60.56)(60.77)(60.98)(61.19)(61.40)(61.61)(61.82)(62.03)(62.24)(62.45)(62.66)(62.87)(63.08)(63.29)(63.50)(63.71)(63.92)(64.13)(64.34)(64.55)(64.76)(64.97)(65.18)(65.39)(65.60)(65.81)(66.02)(66.23)(66.44)(66.65)(66.86)(67.07)(67.28)(67.49)(67.70)(67.91)(68.12)(68.33)(68.54)(68.75)(68.96)(69.17)(69.38)(69.59)(69.80)(70.01)(70.22)(70.43)(70.64)(70.85)(71.06)(71.27)(71.48)(71.69)(71.90)(72.11)(72.32)(72.53)(72.74)(72.95)(73.16)(73.37)(73.58)(73.79)(74.00)(74.21)(74.42)(74.63)(74.84)(75.05)(75.26)(75.47)(75.68)(75.89)(76.10)(76.31)(76.52)(76.73)(76.94)(77.15)(77.36)(77.57)(77.78)(77.99)(78.20)(78.41)(78.62)(78.83)(79.04)(79.25)(79.46)(79.67)(79.88)(80.09)(80.30)(80.51)(80.72)(80.93)(81.14)(81.35)(81.56)(81.77)(81.98)(82.19)(82.40)(82.61)(82.82)(83.03)(83.24)(83.45)(83.66)(83.87)(84.08)(84.29)(84.50)(84.71)(84.92)(85.13)(85.34)(85.55)(85.76)(85.97)(86.18)(86.39)(86.60)(86.81)(87.02)(87.23)(87.44)(87.65)(87.86)(88.07)(88.28)(88.49)(88.70)(88.91)(89.12)(89.33)(89.54)(89.75)(89.96)(90.17)(90.38)(90.59)(90.80)(91.01)(91.22)(91.43)(91.64)(91.85)(92.06)(92.27)(92.48)(92.69)(92.90)(93.11)(93.32)(93.53)(93.74)(93.95)(94.16)(94.37)(94.58)(94.79)(95.00)(95.21)(95.42)(95.63)(95.84)(96.05)(96.26)(96.47)(96.68)(96.89)(97.10)(97.31)(97.52)(97.73)(97.94)(98.15)(98.36)(98.57)(98.78)(98.99)(99.20)(99.41)(99.62)(99.83)(100.04)(100.25)(100.46)(100.67)(100.88)(101.09)(101.30)(101.51)(101.72)(101.93)(102.14)(102.35)(102.56)(102.77)(102.98)(103.19)(103.40)(103.61)(103.82)(104.03)(104.24)(104.45)(104.66)(104.87)(105.08)(105.29)(105.50)(105.71)(105.92)(106.13)(106.34)(106.55)(106.76)(106.97)(107.18)(107.39)(107.60)(107.81)(108.02)(108.23)(108.44)(108.65)(108.86)(109.07)(109.28)(109.49)(109.70)(109.91)(110.12)(110.33)(110.54)(110.75)(110.96)(111.17)(111.38)(111.59)(111.80)(112.01)(112.22)(112.43)(112.64)(112.85)(113.06)(113.27)(113.48)(113.69)(113.90)(114.11)(114.32)(114.53)(114.74)(114.95)(115.16)(115.37)(115.58)(115.79)(116.00)(116.21)(116.42)(116.63)(116.84)(117.05)(117.26)(117.47)(117.68)(117.89)(118.10)(118.31)(118.52)(118.73)(118.94)(119.15)(119.36)(119.57)(119.78)(120.00)(120.21)(120.42)(120.63)(120.84)(121.05)(121.26)(121.47)(121.68)(121.89)(122.10)(122.31)(122.52)(122.73)(122.94)(123.15)(123.36)(123.57)(123.78)(123.99)(124.20)(124.41)(124.62)(124.83)(125.04)(125.25)(125.46)(125.67)(125.88)(126.09)(126.30)(126.51)(126.72)(126.93)(127.14)(127.35)(127.56)(127.77)(127.98)(128.19)(128.40)(128.61)(128.82)(129.03)(129.24)(129.45)(129.66)(129.87)(130.08)(130.29)(130.50)(130.71)(130.92)(131.13)(131.34)(131.55)(131.76)(131.97)(132.18)(132.39)(132.60)(132.81)(133.02)(133.23)(133.44)(133.65)(133.86)(134.07)(134.28)(134.49)(134.70)(134.91)(135.12)(135.33)(135.54)(135.75)(135.96)(136.17)(136.38)(136.59)(136.80)(137.01)(137.22)(137.43)(137.64)(137.85)(138.06)(138.27)(138.48)(138.69)(138.90)(139.11)(139.32)(139.53)(139.74)(139.95)(140.16)(140.37)(140.58)(140.79)(141.00)(141.21)(141.42)(141.63)(141.84)(142.05)(142.26)(142.47)(142.68)(142.89)(143.10)(143.31)(143.52)(143.73)(143.94)(144.15)(144.36)(144.57)(144.78)(144.99)(145.20)(145.41)(145.62)(145.83)(146.04)(146.25)(146.46)(146.67)(146.88)(147.09)(147.30)(147.51)(147.72)(147.93)(148.14)(148.35)(148.56)(148.77)(148.98)(149.19)(149.40)(149.61)(149.82)(150.03)(150.24)(150.45)(150.66)(150.87)(151.08)(151.29)(151.50)(151.71)(151.92)(152.13)(152.34)(152.55)(152.76)(152.97)(153.18)(153.39)(153.60)(153.81)(154.02)(154.23)(154.44)(154.65)(154.86)(155.07)(155.28)(155.49)(155.70)(155.91)(156.12)(156.33)(156.54)(156.75)(156.96)(157.17)(157.38)(157.59)(157.80)(158.01)(158.22)(158.43)(158.64)(158.85)(159.06)(159.27)(159.48)(159.69)(159.90)(160.11)(160.32)(160.53)(160.74)(160.95)(161.16)(161.37)(161.58)(161.79)(162.00)(162.21)(162.42)(162.63)(162.84)(163.05)(163.26)(163.47)(163.68)(163.89)(164.10)(164.31)(164.52)(164.73)(164.94)(165.15)(165.36)(165.57)(165.78)(165.99)(166.20)(166.41)(166.62)(166.83)(167.04)(167.25)(167.46)(167.67)(167.88)(168.09)(168.30)(168.51)(168.72)(168.93)(169.14)(169.35)(169.56)(169.77)(169.98)(170.19)(170.40)(170.61)(170.82)(171.03)(171.24)(171.45)(171.66)(171.87)(172.08)(172.29)(172.50)(172.71)(172.92)(173.13)(173.34)(173.55)(173.76)(173.97)(174.18)(174.39)(174.60)(174.81)(175.02)(175.23)(175.44)(175.65)(175.86)(176.07)(176.28)(176.49)(176.70)(176.91)(177.12)(177.33)(177.54)(177.75)(177.96)(178.17)(178.38)(178.59)(178.80)(179.01)(179.22)(179.43)(179.64)(179.85)(180.06)(180.27)(180.48)(180.69)(180.90)(181.11)(181.32)(181.53)(181.74)(181.95)(182.16)(182.37)(182.58)(182.79)(183.00)(183.21)(183.42)(183.63)(183.84)(184.05)(184.26)(184.47)(184.68)(184.89)(185.10)(185.31)(185.52)(185.73)(185.94)(186.15)(186.36)(186.57)(186.78)(186.99)(187.20)(187.41)(187.62)(187.83)(188.04)(188.25)(188.46)(188.67)(188.88)(189.09)(189.30)(189.51)(189.72)(189.93)(190.14)(190.35)(190.56)(190.77)(190.98)(191.19)(191.40)(191.61)(191.82)(192.03)(192.24)(192.45)(192.66)(192.87)(193.08)(193.29)(193.50)(193.71)(193.92)(194.13)(194.34)(194.55)(194.76)(194.97)(195.18)(195.39)(195.60)(195.81)(196.02)(196.23)(196.44)(196.65)(196.86)(197.07)(197.28)(197.49)(197.70)(197.91)(198.12)(198.33)(198.54)(198.75)(198.96)(199.17)(199.38)(199.59)(199.80)(200.01)(200.22)(200.43)(200.64)(200.85)(201.06)(201.27)(201.48)(201.69)(201.90)(202.11)(202.32)(202.53)(202.74)(202.95)(203.16)(203.37)(203.58)(203.79)(204.00)(204.21)(204.42)(204.63)(204.84)(205.05)(205.26)(205.47)(205.68)(205.89)(206.10)(206.31)(206.52)(206.73)(206.94)(207.15)(207.36)(207.57)(207.78)(207.99)(208.20)(208.41)(208.62)(208.83)(209.04)(209.25)(209.46)(209.67)(209.88)(210.09)(210.30)(210.51)(210.72)(210.93)(211.14)(211.35)(211.56)(211.77)(211.98)(212.19)(212.40)(212.61)(212.82)(213.03)(213.24)(213.45)(213.66)(213.87)(214.08)(214.29)(214.50)(214.71)(214.92)(215.13)(215.34)(215.55)(215.76)(215.97)(216.18)(216.39)(216.60)(216.81)(217.02)(217.23)(217.44)(217.65)(217.86)(218.07)(218.28)(218.49)(218.70)(218.91)(219.12)(219.33)(219.54)(219.75)(219.96)(220.17)(220.38)(220.59)(220.80)(221.01)(221.22)(221.43)(221.64)(221.85)(222.06)(222.27)(222.48)(222.69)(222.90)(223.11)(223.32)(223.53)(223.74)(223.95)(224.16)(224.37)(224.58)(224.79)(225.00)(225.21)(225.42)(225.63)(225.84)(226.05)(226.26)(226.47)(226.68)(226.89)(227.10)(227.31)(227.52)(227.73)(227.94)(228.15)(228.36)(228.57)(228.78)(228.99)(229.20)(229.41)(229.62)(229.83)(230.04)(230.25)(230.46)(230.67)(230.88)(231.09)(231.30)(231.51)(231.72)(231.93)(232.14)(232.35)(232.56)(232.77)(232.98)(233.19)(233.40)(233.61)(233.82)(234.03)(234.24)(234.45)(234.66)(234.87)(235.08)(235.29)(235.50)(235.71)(235.92)(236.13)(236.34)(236.55)(236.76)(236.97)(237.18)(237.39)(237.60)(237.81)(238.02)(238.23)(238.44)(238.65)(238.86)(239.07)(239.28)(239.49)(239.70)(239.91)(240.12)(240.33)(240.54)(240.75)(240.96)(241.17)(241.38)(241.59)(241.80)(242.01)(242.22)(242.43)(242.64)(242.85)(243.06)(243.27)(243.48)(243.69)(243.90)(244.11)(244.32)(244.53)(244.74)(244.95)(245.16)(245.37)(245.58)(245.79)(246.00)(246.21)(246.42)(246.63)(246.84)(247.05)(247.26)(247.47)(247.68)(247.89)(248.10)(248.31)(248.52)(248.73)(248.94)(249.15)(249.36)(249.57)(249.78)(250.00)(250.21)(250.42)(250.63)(250.84)(251.05)(251.26)(251.47)(251.68)(251.89)(252.10)(252.31)(252.52)(252.73)(252.94)(253.15)(253.36)(253.57)(253.78)(253.99)(254.20)(254.41)(254.62)(254.83)(255.04)(255.25)(255.46)(255.67)(255.88)(256.09)(256.30)(256.51)(256.72)(256.93)(257.14)(257.35)(257.56)(257.77)(257.98)(258.19)(258.40)(258.61)(258.82)(259.03)(259.24)(259.45)(259.66)(259.87)(260.08)(260.29)(260.50)(260.71)(260.92)(261.13)(261.34)(261.55)(261.76)(261.97)(262.18)(262.39)(262.60)(262.81)(263.02)(263.23)(263.44)(263.65)(263.86)(264.07)(264.28)(264.49)(264.70)(264.91)(265.12)(265.33)(265.54)(265.75)(265.96)(266.17)(266.38)(266.59)(266.80)(267.01)(267.22)(267.43)(267.64)(267.85)(268.06)(268.27)(268.48)(268.69)(268.90)(269.11)(269.32)(269.53)(269.74)(269.95)(270.16)(270.37)(270.58)(270.79)(271.00)(271.21)(271.42)(271.63)(271.84)(272.05)(272.26)(272.47)(272.68)(272.89)(273.10)(273.31)(273.52)(273.73)(273.94)(274.15)(274.36)(274.57)(274.78)(274.99)(275.20)(275.41)(275.62)(275.83)(276.04)(276.25)(276.46)(276.67)(276.88)(277.09)(277.30)(277.51)(277.72)(277.93)(278.14)(278.35)(278.56)(278.77)(278.98)(279.19)(279.40)(279.61)(279.82)(280.03)(280.24)(280.45)(280.66)(280.87)(281.08)(281.29)(281.50)(281.71)(281.92)(282.13)(282.34)(282.55)(282.76)(282.97)(283.18)(283.39)(283.60)(283.81)(284.02)(284.23)(284.44)(284.65)(284.86)(285.07)(285.28)(285.49)(285.70)(285.91)(286.12)(286.33)(286.54)(286.75)(286.96)(287.17)(287.38)(287.59)(287.80)(288.01)(288.22)(288.43)(288.64)(288.85)(289.06)(289.27)(289.48)(289.69)(289.90)(290.11)(290.32)(290.53)(290.74)(290.95)(291.16)(291.37)(291.58)(291.79)(292.00)(292.21)(292.42)(292.63)(292.84)(293.05)(293.26)(293.47)(293.68)(293.89)(294.10)(294.31)(294.52)(294.73)(294.94)(295.15)(295.36)(295.57)(295.78)(295.99)(296.20)(296.41)(296.62)(296.83)(297.04)(297.25)(297.46)(297.67)(297.88)(298.09)(298.30)(298.51)(298.72)(298.93)(299.14)(299.35)(299.56)(299.77)(300.00)(300.21)(300.42)(300.63)(300.84)(301.05)(301.26)(301.47)(301.68)(301.89)(302.10)(302.31)(302.52)(302.73)(302.94)(303.15)(303.36)(303.57)(303.78)(303.99)(304.20)(304.41)(304.62)(304.83)(305.04)(305.25)(305.46)(305.67)(305.88)(306.09)(306.30)(306.51)(306.72)(306.93)(307.14)(307.35)(307.56)(307.77)(307.98)(308.19)(308.40)(308.61)(308.82)(309.03)(309.24)(309.45)(309.66)(309.87)(310.08)(310.29)(310.50)(310.71)(310.92)(311.13)(311.34)(311.55)(311.76)(311.97)(312.18)(312.39)(312.60)(312.81)(313.02)(313.23)(313.44)(313.65)(313.86)(314.07)(314.28)(314.49)(314.70)(314.91)(315.12)(315.33)(315.54)(315.75)(315.96)(316.17)(316.38)(316.59)(316.80)(317.01)(317.22)(317.43)(317.64)(317.85)(318.06)(318.27)(318.48)(318.69)(318.90)(319.11)(319.32)(319.53)(319.74)(319.95)(320.16)(320.37)(320.58)(320.79)(321.00)(321.21)(321.42)(321.63)(321.84)(322.05)(322.26)(322.47)(322.68)(322.89)(323.10)(323.31)(323.52)(323.73)(323.94)(324.15)(324.36)(324.57)(324.78)(324.99)(325.20)(325.41)(325.62)(325.83)(326.04)(326.25)(326.46)(326.67)(326.88)(327.09)(327.30)(327.51)(327.72)(327.93)(328.14)(328.35)(328.56)(328.77)(328.98)(329.19)(329.40)(329.61)(329.82)(330.03)(330.24)(330.45)(330.66)(330.87)(331.08)(331.29)(331.50)(331.71)(331.92)(332.13)(332.34)(332.55)(332.76)(332.97)(333.18)(333.39)(333.60)(333.81)(334.02)(334.23)(334.44)(334.65)(334.86)(335.07)(335.28)(335.49)(335.70)(335.91)(336.12)(336.33)(336.54)(336.75)(336.96)(337.17)(337.38)(337.59)(337.80)(338.01)(338.22)(338.43)(338.64)(338.85)(339.06)(339.27)(339.48)(339.69)(339.90)(340.11)(340.32)(340.53)(340.74)(340.95)(341.16)(341.37)(341.58)(341.79)(342.00)(342.21)(342.42)(342.63)(342.84)(343.05)(343.26)(343.47)(343.68)(343.89)(344.10)(344.31)(344.52)(344.73)(344.94)(345.15)(345.36)(345.57)(345.78)(345.99)(346.20)(346.41)(346.62)(346.83)(347.04)(347.25)(347.46)(347.67)(347.88)(348.09)(348.30)(348.51)(348.72)(348.93)(349.14)(349.35)(349.56)(349.77)(349.98)(350.19)(350.40)(350.61)(350.82)(351.03)(351.24)(351.45)(351.66)(351.87)(352.08)(352.29)(352.50)(352.71)(352.92)(353.13)(353.34)(353.55)(353.76)(353.97)(354.18)(354.39)(354.60)(354.81)(355.02)(355.23)(355.44)(355.65)(355.86)(356.07)(356.28)(356.49)(356.70)(356.91)(357.12)(357.33)(357.54)(357.75)(357.96)(358.17)(358.38)(358.59)(358.80)(359.01)(359.22)(359.43)(359.64)(359.85)(360.06)(360.27)(360.48)(360.69)(360.90)(361.11)(361.32)(361.53)(361.74)(361.95)(362.16)(362.37)(362.58)(362.79)(363.00)(363.21)(363.42)(363.63)(363.84)(364.05)(364.26)(364.47)(364.68)(364.89)(365.10)(365.31)(365.52)(365.73)(365.94)(366.15)(366.36)(366.57)(366.78)(366.99)(367.20)(367.41)(367.62)(367.83)(368.04)(368.25)(368.46)(368.67)(368.88)(369.09)(369.30)(369.51)(369.72)(369.93)(370.14)(370.35)(370.56)(370.77)(370.98)(371.19)(371.40)(371.61)(371.82)(372.03)(372.24)(372.45)(372.66)(372.87)(373.08)(373.29)(373.50)(373.71)(373.92)(374.13)(374.34)(374.55)(374.76)(374.97)(375.18)(375.39)(375.60)(375.81)(376.02)(376.23)(376.44)(376.65)(376.86)(377.07)(377.28)(377.49)(377.70)(377.91)(378.12)(378.33)(378.54)(378.75)(378.96)(379.17)(379.38)(379.59)(379.80)(379.99)(38 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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 760R ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FREQ. | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | PROC. DATE - MONTH 9 DAY 7 HR. 17.6 | | | |
|--------------------|--|--------|--------|--------|-------------------------------------|--------|--------|--------|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) |
| RDG. NO. 0. | 50 | 76.4 | 78.9 | 80.4 | 82.6 | 85.4 | 88.8 | 91.3 |
| RADIAL 150. FT. | 63 | 77.2 | 81.5 | 80.3 | 82.6 | 85.4 | 88.8 | 91.3 |
| (46. M) | 80 | 79.3 | 81.3 | 83.6 | 83.1 | 84.9 | 87.4 | 89.6 |
| VEHICLE CELL41 | 100 | 79.6 | 80.9 | 82.6 | 83.4 | 85.3 | 87.5 | 90.4 |
| CONFIG NCS8 | 125 | 80.7 | 82.7 | 83.5 | 84.5 | 86.6 | 89.1 | 91.3 |
| LOC C41 ANECH CH | 160 | 82.0 | 83.7 | 84.5 | 85.8 | 87.1 | 89.9 | 92.5 |
| DATE 06-16-76 | 200 | 83.8 | 84.8 | 86.3 | 86.6 | 88.2 | 91.0 | 93.1 |
| RUN CONF7REPEATH | 250 | 83.6 | 84.4 | 86.9 | 86.5 | 87.8 | 90.6 | 93.7 |
| TAPE X07610 | 315 | 83.3 | 85.0 | 85.5 | 87.3 | 88.4 | 91.0 | 93.6 |
| BAR 29.3 HG | 400 | 82.8 | 84.3 | 85.8 | 87.1 | 88.7 | 91.0 | 93.6 |
| (99077. N/M2) | 500 | 83.4 | 84.7 | 86.2 | 86.5 | 88.6 | 91.0 | 93.6 |
| TAMB 68. DEG F | 630 | 82.7 | 85.0 | 86.2 | 86.8 | 88.4 | 91.0 | 93.6 |
| (293. DEG K) | 800 | 81.0 | 82.1 | 83.6 | 85.1 | 87.2 | 90.4 | 91.3 |
| TWET 66. DEG F | 1000 | 80.4 | 81.7 | 83.0 | 84.5 | 86.5 | 90.7 | 92.7 |
| (292. DEG K) | 1250 | 79.5 | 80.6 | 82.1 | 83.6 | 85.5 | 89.0 | 90.9 |
| HACT15.59 GM/M3 | 1600 | 78.9 | 81.0 | 82.1 | 83.6 | 85.5 | 89.0 | 90.9 |
| (.01559 KG/M3) | 2000 | 77.3 | 80.4 | 81.7 | 83.0 | 84.5 | 87.4 | 90.0 |
| FREQ. SHIFT | 2500 | 75.3 | 78.5 | 79.5 | 81.9 | 84.2 | 88.7 | 89.0 |
| JET 7 | 3150 | 74.3 | 77.6 | 79.5 | 81.9 | 84.2 | 88.7 | 89.0 |
| DIAMETER RATIO | 4000 | 72.4 | 75.0 | 77.5 | 79.4 | 83.5 | 87.2 | 85.0 |
| OF/DM 4.63 | 5000 | 70.2 | 74.4 | 75.8 | 77.9 | 80.6 | 83.8 | 83.3 |
| | 6300 | 69.9 | 74.9 | 77.6 | 78.5 | 81.3 | 85.0 | 83.3 |
| | 8000 | 69.3 | 75.2 | 79.0 | 80.1 | 82.4 | 85.7 | 81.5 |
| | 10000 | 66.2 | 70.9 | 75.5 | 75.7 | 76.0 | 82.1 | 83.6 |
| | 12500 | 65.6 | 67.9 | 74.6 | 71.6 | 72.4 | 82.4 | 83.4 |
| | 16000 | 68.6 | 70.4 | 78.1 | 73.9 | 73.4 | 83.5 | 88.2 |
| OVERALL CALCULATED | 93.8 | 95.7 | 97.3 | 98.2 | 100.0 | 111.3 | 104.6 | 107.1 |
| | 102.4 | 105.1 | 107.0 | 108.6 | 110.8 | 121.7 | 114.4 | 117.0 |

*

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 76/R ACoustic RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|-------|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | |
| SIDELINE 2400. FT.
(731.52 M) | NFA | 50 | 48.2 | 52.3 | 54.9 | 55.4 | 57.2 | 58.9 | 61.7 | 62.9 | 63.1 | 66.6 | 71.5 | 71.7 | 88.8 |
| | | 63 | 49.0 | 54.9 | 54.7 | 57.7 | 61.0 | 71.2 | 62.0 | 64.0 | 65.7 | 68.4 | 73.3 | 73.7 | 71.0 |
| | | 80 | 50.9 | 54.6 | 57.9 | 58.2 | 60.5 | 71.5 | 63.0 | 64.7 | 66.7 | 70.9 | 75.2 | 75.4 | 71.6 |
| | | 100 | 51.2 | 54.1 | 56.9 | 58.5 | 60.7 | 72.5 | 63.0 | 65.5 | 67.9 | 71.6 | 75.7 | 76.8 | 72.2 |
| | | 125 | 52.1 | 55.3 | 57.7 | 59.5 | 62.0 | 73.2 | 64.5 | 66.2 | 68.9 | 72.1 | 74.9 | 75.8 | 71.1 |
| (1. RPM | NFK | 160 | 53.2 | 56.7 | 58.6 | 60.6 | 62.4 | 74.1 | 65.1 | 67.4 | 70.1 | 72.0 | 75.0 | 74.8 | 69.8 |
| | | 200 | 54.8 | 57.6 | 60.2 | 61.3 | 63.3 | 75.1 | 66.1 | 67.8 | 69.7 | 71.9 | 73.4 | 71.1 | 67.2 |
| | | 250 | 54.4 | 56.9 | 60.7 | 61.0 | 62.8 | 74.8 | 65.5 | 68.2 | 69.7 | 71.5 | 71.7 | 69.1 | 63.3 |
| | | 315 | 53.4 | 57.3 | 59.0 | 61.6 | 63.2 | 75.4 | 65.7 | 66.9 | 69.5 | 70.6 | 70.0 | 66.3 | 60.3 |
| | | 400 | 52.5 | 56.2 | 59.0 | 61.1 | 63.2 | 74.4 | 65.4 | 67.6 | 69.0 | 70.1 | 67.6 | 63.3 | 56.0 |
| AIRFLOW RATIO
W/FWM 4.63 | | 500 | 52.9 | 56.1 | 59.0 | 60.4 | 62.5 | 73.1 | 64.3 | 66.2 | 67.5 | 67.4 | 63.6 | 57.8 | 49.5 |
| | | 630 | 51.5 | 55.8 | 58.5 | 59.7 | 62.3 | 73.1 | 64.3 | 66.2 | 67.5 | 67.4 | 63.6 | 57.8 | 49.5 |
| | | 800 | 49.4 | 53.1 | 56.9 | 58.4 | 60.3 | 71.8 | 63.3 | 65.2 | 66.2 | 65.5 | 60.7 | 54.7 | 45.9 |
| | | 1000 | 47.4 | 51.9 | 55.3 | 58.1 | 59.2 | 71.0 | 61.5 | 63.8 | 64.5 | 62.8 | 58.1 | 52.5 | 44.2 |
| | | 1250 | 45.2 | 50.2 | 53.4 | 56.1 | 58.3 | 70.8 | 62.0 | 62.8 | 63.7 | 60.8 | 56.9 | 51.1 | 44.5 |
| VEHICLE CELL41
CONFIG NC58
LOC C41 ANECH CH
DATE 06-16-76
RUN CONFREPETH
TAPE X07610
AFAN TIP SPEED
FT/SEC | | 1600 | 42.4 | 47.5 | 50.5 | 54.5 | 57.5 | 69.3 | 60.7 | 61.0 | 61.2 | 58.9 | 54.4 | 48.5 | 40.5 |
| | | 2000 | 38.5 | 45.0 | 48.4 | 52.1 | 55.4 | 66.5 | 58.9 | 58.8 | 59.4 | 56.2 | 51.3 | 45.2 | 36.2 |
| | | 2500 | 33.1 | 40.3 | 44.9 | 47.9 | 51.8 | 63.0 | 55.3 | 54.8 | 55.1 | 52.0 | 46.8 | 39.7 | 29.3 |
| | | 3150 | 26.8 | 34.9 | 39.6 | 44.2 | 47.5 | 58.7 | 52.0 | 50.2 | 51.1 | 46.2 | 40.6 | 32.3 | 18.6 |
| | | 4000 | 16.8 | 25.5 | 32.0 | 36.2 | 41.6 | 51.8 | 45.3 | 41.8 | 42.0 | 36.6 | 28.1 | 19.1 | |
| | 5000 | 9.9 | 21.1 | 26.8 | 31.5 | 35.0 | 46.4 | 39.0 | 37.1 | 37.0 | 29.8 | 22.7 | 9.0 | | |
| | 6300 | 10.1 | 18.5 | 23.0 | 27.7 | 31.3 | 46.4 | 39.0 | 37.1 | 37.0 | 29.8 | 22.7 | 9.0 | | |
| | 8000 | | | | | | | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | 63.6 | 67.2 | 69.8 | 71.5 | 73.6 | 85.1 | 76.2 | 78.0 | 79.8 | 81.5 | 83.6 | 83.4 | 79.2 |
| P | | | 66.8 | 71.1 | 74.3 | 76.6 | 79.1 | 91.0 | 82.3 | 83.3 | 84.7 | 85.0 | 84.5 | 82.4 | 76.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **76/R** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **FULL-33m²(513in²)** SIZE

PROGRAM
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)
PROC. DATE - MONTH 9 DAY 7 HR. 13.5

| | 4C. | 5C. | 6C. | 7C. | 8C. | 9C. | 10C. | 11C. | 12C. | 13C. | 14C. | 15C. | 16C. | 17C. | 18C. | 19C. | 20C. |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | (3.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (3.13) | (3.30) | (3.47) |
| ANGLES FROM INCLT IN DEGREES (AND RADIAN) | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

OVERALL MEASURED
OVERALL CALCULATED

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|------------------|
| 7 | 765R | 12.2m(40ft.) ARC |

SIZE
MODEL-154cm²(23.9in²)

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT HUMIDITY, 1000 FT. ALTITUDE)
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|-------|
| NO EGA | 50 | 73.6 | 75.7 | 77.5 | 79.3 | 81.4 | 83.0 | 84.2 | 85.7 | 87.5 | 90.0 | 95.0 | 97.1 | 99.3 | | | | | | 142.9 |
| RDG. NO. | 63 | 74.5 | 77.5 | 79.5 | 81.4 | 83.0 | 84.2 | 85.7 | 87.5 | 90.0 | 95.0 | 97.1 | 99.3 | | | | | | | 144.3 |
| 0. | 80 | 76.3 | 77.8 | 80.3 | 80.3 | 81.4 | 83.0 | 33.7 | 36.1 | 89.3 | 92.9 | 97.3 | 99.0 | 99.3 | | | | | | 145.3 |
| RADIAL 150. FT. | 100 | 77.1 | 77.9 | 79.6 | 80.2 | 81.8 | 83.4 | 84.5 | 86.9 | 89.1 | 93.9 | 97.7 | 99.1 | 98.6 | | | | | | 145.1 |
| (46. M) | 125 | 77.7 | 79.2 | 80.2 | 81.0 | 83.1 | 84.5 | 85.6 | 88.0 | 90.2 | 93.6 | 97.3 | 97.4 | 95.7 | | | | | | 144.3 |
| VEHICLE CELL41 | 160 | 78.2 | 80.5 | 81.5 | 82.5 | 84.1 | 85.2 | 86.9 | 88.8 | 91.3 | 94.1 | 96.8 | 95.7 | 93.7 | | | | | | 144.0 |
| CONFIG NC58 | 200 | 79.5 | 80.6 | 81.8 | 82.6 | 84.0 | 85.3 | 87.0 | 89.4 | 90.8 | 94.2 | 95.6 | 93.3 | 91.3 | | | | | | 143.2 |
| LOC C41 ANECH CH | 250 | 79.9 | 80.9 | 82.7 | 82.7 | 84.1 | 85.9 | 86.8 | 89.5 | 91.4 | 93.5 | 95.0 | 92.6 | 89.7 | | | | | | 142.9 |
| DATE 06-16-76 | 315 | 79.0 | 81.3 | 81.8 | 83.3 | 84.9 | 86.5 | 86.9 | 88.8 | 91.5 | 93.4 | 93.3 | 91.0 | 89.0 | | | | | | 142.6 |
| RUN CONFREPEATH | 400 | 79.0 | 80.1 | 82.3 | 82.4 | 84.5 | 85.3 | 87.2 | 89.4 | 91.1 | 92.9 | 92.4 | 89.3 | 87.1 | | | | | | 141.9 |
| TAPE X07650 | 500 | 78.9 | 80.7 | 82.2 | 82.5 | 84.3 | 85.2 | 86.3 | 88.7 | 90.7 | 91.6 | 90.8 | 87.2 | 85.2 | | | | | | 141.0 |
| 9AR 29.3 HG | 630 | 78.4 | 80.7 | 83.0 | 83.3 | 84.6 | 85.2 | 86.3 | 88.5 | 91.0 | 91.3 | 90.8 | 86.7 | 84.5 | | | | | | 141.0 |
| (99009. N/M2) | 800 | 78.0 | 79.5 | 82.1 | 82.1 | 83.4 | 84.5 | 85.9 | 88.8 | 89.6 | 90.2 | 88.3 | 85.0 | 83.3 | | | | | | 140.0 |
| TANB 67. DEG F | 1000 | 76.6 | 78.9 | 81.2 | 82.0 | 83.6 | 84.2 | 85.6 | 88.2 | 89.2 | 89.3 | 88.0 | 84.9 | 84.2 | | | | | | 139.6 |
| (293. DEG K) | 1250 | 75.5 | 78.3 | 80.1 | 81.4 | 83.5 | 85.1 | 86.2 | 87.6 | 89.4 | 88.2 | 88.2 | 85.1 | 84.1 | | | | | | 139.5 |
| TWET 65. DEG F | 1600 | 74.7 | 77.0 | 79.3 | 81.3 | 83.4 | 84.5 | 86.7 | 87.3 | 88.8 | 86.9 | 87.6 | 85.3 | 84.5 | | | | | | 139.5 |
| (292. DEG K) | 2000 | 73.1 | 77.2 | 78.5 | 80.5 | 83.0 | 83.4 | 85.3 | 86.7 | 88.7 | 87.6 | 87.0 | 85.2 | 84.4 | | | | | | 139.9 |
| MACT15-32 GM/M3 | 2500 | 71.0 | 74.3 | 76.9 | 79.3 | 81.4 | 82.3 | 84.4 | 85.5 | 86.6 | 86.5 | 86.2 | 84.3 | 84.0 | | | | | | 137.7 |
| (.01532 KG/M3) | 3150 | 69.8 | 73.6 | 76.0 | 78.9 | 81.0 | 81.3 | 84.2 | 85.0 | 86.0 | 85.0 | 85.1 | 83.4 | 82.8 | | | | | | 137.0 |
| FFREQ. SHIFT | 4000 | 67.4 | 70.7 | 74.1 | 76.2 | 80.0 | 79.8 | 83.0 | 81.5 | 84.1 | 82.1 | 81.5 | 79.2 | 80.1 | | | | | | 135.1 |
| JET 7 | 5000 | 65.2 | 69.9 | 72.0 | 75.1 | 77.4 | 77.6 | 78.9 | 79.7 | 82.8 | 79.4 | 79.7 | 75.6 | 77.0 | | | | | | 133.1 |
| DIAMETER RATIO | 6300 | 64.2 | 69.2 | 72.6 | 75.1 | 77.6 | 77.3 | 79.3 | 78.6 | 80.3 | 77.4 | 76.6 | 75.8 | 75.1 | | | | | | 132.5 |
| DF/DM 4.63 | 8000 | 60.8 | 66.3 | 71.0 | 73.6 | 75.0 | 75.0 | 77.5 | 75.3 | 77.3 | 75.1 | 73.4 | 71.4 | 71.5 | | | | | | 130.9 |
| | 10000 | 57.5 | 63.0 | 67.8 | 70.9 | 71.1 | 71.9 | 72.7 | 70.2 | 72.3 | 70.2 | 68.9 | 65.3 | 65.2 | | | | | | 127.9 |
| | 12500 | 55.9 | 59.4 | 64.9 | 69.4 | 69.2 | 69.2 | 66.7 | 66.4 | 67.4 | 67.3 | 65.7 | 61.1 | 61.7 | | | | | | 126.6 |
| | 16000 | 58.4 | 62.0 | 67.7 | 73.2 | 72.7 | 72.6 | 72.7 | 65.6 | 66.7 | 70.7 | 67.9 | 63.0 | 63.9 | | | | | | 132.5 |
| OVERALL CALCULATED | 89.9 | 91.9 | 93.6 | 94.5 | 96.3 | 97.4 | 98.8 | 100.7 | 102.6 | 104.5 | 106.6 | 108.8 | 106.3 | 105.2 | | | | | | 155.2 |
| PHASE | 98.0 | 101.1 | 103.2 | 105.1 | 107.1 | 107.8 | 109.3 | 110.8 | 112.6 | 112.8 | 113.1 | 111.4 | 110.6 | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 7 | 765R | 45.7m(150ft.) ARC |

SIZE

SIZE
FULL-.33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|---|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. |
| FREQ. | (0.77)(0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.97) |
| NO EGA | 50 | 45.3 | 49.1 | 51.9 | 52.4 | 54.2 | 56.2 | 57.9 | 58.9 | 60.1 | 63.4 | 67.0 | 66.7 |
| SIDELINE 2400. FT. | 63 | 46.2 | 50.9 | 52.0 | 54.5 | 57.0 | 57.7 | 58.5 | 60.5 | 62.0 | 64.4 | 67.8 | 68.5 |
| (731.52 M) | 80 | 47.9 | 51.1 | 54.7 | 55.4 | 57.0 | 58.7 | 59.2 | 61.2 | 63.7 | 66.1 | 69.0 | 68.4 |
| NFA | 100 | 48.7 | 51.1 | 53.9 | 55.2 | 57.2 | 59.0 | 59.7 | 62.0 | 63.4 | 67.1 | 69.2 | 68.3 |
| (0. RAD/SEC) | 125 | 49.1 | 52.3 | 54.4 | 56.0 | 58.5 | 60.0 | 61.0 | 63.0 | 64.4 | 66.6 | 68.7 | 66.5 |
| NFK | 160 | 49.5 | 53.4 | 55.6 | 57.4 | 59.4 | 60.6 | 62.1 | 63.6 | 65.3 | 67.0 | 68.0 | 64.5 |
| (0. RAD/SEC) | 200 | 50.6 | 53.3 | 55.7 | 57.3 | 59.1 | 60.6 | 62.1 | 64.1 | 64.7 | 66.9 | 66.7 | 61.9 |
| NFD | 250 | 49.7 | 53.4 | 56.4 | 57.2 | 59.0 | 61.0 | 61.8 | 64.0 | 65.2 | 66.0 | 65.7 | 60.9 |
| (7500. RPM) | 315 | 49.4 | 53.5 | 55.3 | 57.6 | 59.7 | 61.4 | 61.7 | 63.1 | 65.0 | 65.6 | 63.8 | 53.8 |
| (785. RAD/SEC) | 400 | 49.1 | 52.0 | 55.5 | 56.4 | 58.9 | 59.9 | 61.7 | 63.4 | 64.2 | 64.8 | 62.4 | 56.5 |
| AIRFLOW RATIO | 500 | 48.4 | 52.1 | 55.0 | 56.1 | 58.5 | 59.5 | 60.5 | 62.4 | 63.5 | 63.0 | 60.2 | 53.7 |
| WF/W 4.63 | 630 | 47.2 | 51.6 | 55.2 | 56.4 | 58.5 | 59.1 | 60.0 | 61.7 | 63.2 | 62.2 | 59.6 | 52.3 |
| VEHICLE | 800 | 45.9 | 49.6 | 53.7 | 54.6 | 56.5 | 57.8 | 59.0 | 61.4 | 61.2 | 60.3 | 56.2 | 49.5 |
| CONFIG NC58 | 1000 | 43.4 | 48.1 | 52.0 | 53.8 | 56.0 | 56.8 | 58.0 | 60.1 | 60.0 | 58.5 | 54.8 | 48.0 |
| LOC C41 ANECH CH | 1250 | 41.0 | 46.4 | 49.9 | 52.3 | 55.0 | 56.8 | 57.8 | 58.6 | 59.2 | 56.3 | 53.6 | 46.4 |
| DATE 06-16-76 | 1600 | 38.2 | 43.5 | 47.7 | 51.0 | 53.7 | 55.1 | 57.0 | 57.0 | 57.2 | 55.4 | 51.1 | 44.0 |
| RUN CONF7REPEATH | 2000 | 34.3 | 41.7 | 45.2 | 48.6 | 51.9 | 52.5 | 54.1 | 54.8 | 55.4 | 52.2 | 48.3 | 40.9 |
| TAPE X07650 | 2500 | 28.9 | 36.5 | 41.1 | 45.2 | 48.1 | 49.2 | 51.1 | 51.3 | 50.9 | 48.3 | 44.0 | 35.7 |
| FAN TIP SPEED | 3150 | 22.3 | 30.9 | 36.3 | 41.2 | 44.3 | 44.9 | 47.5 | 46.2 | 46.3 | 42.3 | 37.6 | 27.8 |
| FT/SEC | 4000 | 11.8 | 21.3 | 28.5 | 33.0 | 38.1 | 38.3 | 41.1 | 38.3 | 38.5 | 32.6 | 25.8 | 13.1 |
| | 5000 | 4.9 | 16.6 | 23.0 | 28.8 | 32.5 | 33.2 | 34.0 | 33.4 | 33.8 | 26.1 | 19.4 | 3.5 |
| | 6300 | 4.4 | 13.5 | 19.5 | 23.9 | 24.3 | 25.6 | 23.0 | 21.3 | 12.6 | 2.6 | | |
| | 8000 | | | 3.9 | 7.8 | 8.7 | 10.3 | 5.6 | 2.8 | | | | |

REPRODUCIBLE
ORIGINAL PAGE

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION **7** TEST POINT **765R** ACOUSTIC RANGE **731.5m(2400ft.)** SIDELINE **765R** SIZE **33m²(513in²)**

FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|----|-------|
| NO EGA | 79.1 | 81.7 | 83.2 | 83.0 | 84.6 | 85.9 | 88.3 | 90.5 | 92.2 | 96.2 | 102.9 | 105.4 | 105.7 | | | | | | | 150.5 |
| RDG. NO. 0. | 80.5 | 84.5 | 83.3 | 85.6 | 87.7 | 88.3 | 89.2 | 91.6 | 94.3 | 98.3 | 104.5 | 107.7 | 107.8 | | | | | | | 152.6 |
| RADIAL 150. FT. | 82.0 | 83.8 | 86.1 | 85.8 | 87.7 | 78.5 | 89.7 | 92.3 | 96.1 | 100.9 | 106.3 | 109.0 | 108.5 | | | | | | | 153.9 |
| (46. M) | 82.9 | 83.9 | 85.6 | 86.4 | 88.0 | 79.6 | 90.8 | 93.9 | 96.9 | 102.7 | 107.7 | 109.6 | 108.1 | | | | | | | 154.7 |
| VEHICLE | 83.7 | 85.0 | 86.2 | 87.5 | 89.4 | 80.2 | 92.1 | 94.5 | 98.5 | 102.8 | 107.3 | 109.7 | 108.5 | | | | | | | 154.8 |
| CELL 41 | 85.3 | 86.7 | 87.5 | 89.0 | 90.6 | 81.7 | 93.4 | 96.3 | 99.5 | 103.1 | 106.3 | 108.5 | 107.5 | | | | | | | 154.1 |
| CONF 16 | 87.0 | 87.8 | 89.1 | 89.6 | 91.0 | 82.9 | 94.2 | 97.5 | 100.2 | 103.5 | 106.0 | 103.9 | 103.4 | | | | | | | 153.2 |
| LOC C41 ANECH CH | 86.6 | 87.4 | 89.7 | 89.7 | 91.6 | 83.8 | 94.4 | 96.8 | 100.3 | 102.9 | 103.1 | 103.5 | 102.0 | | | | | | | 151.8 |
| DATE 06-16-76 | 86.7 | 88.3 | 88.8 | 90.3 | 91.9 | 83.1 | 95.5 | 97.4 | 100.1 | 102.2 | 101.9 | 101.5 | 100.1 | | | | | | | 151.0 |
| RUN CONF7REPEATH | 86.5 | 87.3 | 89.6 | 90.4 | 92.0 | 83.2 | 94.6 | 97.5 | 100.7 | 101.1 | 100.3 | 101.2 | 99.5 | | | | | | | 150.5 |
| TAPE X07660 | 86.4 | 88.2 | 89.7 | 90.5 | 91.8 | 82.7 | 94.3 | 97.5 | 100.5 | 101.1 | 100.0 | 99.7 | 98.5 | | | | | | | 150.3 |
| BAR 29.3 HG | 86.7 | 87.7 | 89.2 | 90.5 | 92.3 | 82.8 | 94.4 | 97.6 | 99.6 | 100.2 | 97.9 | 98.3 | 97.0 | | | | | | | 149.3 |
| (99111. N/M2) | 85.5 | 86.8 | 88.6 | 89.3 | 90.9 | 82.5 | 94.7 | 96.6 | 98.6 | 97.9 | 95.6 | 97.0 | 96.9 | | | | | | | 148.8 |
| TAMB 69. DEG F | 85.1 | 86.7 | 88.0 | 89.7 | 90.3 | 82.7 | 94.1 | 97.2 | 99.2 | 98.8 | 97.2 | 97.4 | 96.9 | | | | | | | 148.6 |
| (294. DEG K) | 84.0 | 85.8 | 87.6 | 89.1 | 91.2 | 83.1 | 95.0 | 96.4 | 99.1 | 98.2 | 96.2 | 97.6 | 97.8 | | | | | | | 147.5 |
| TWET 67. DEG F | 84.7 | 86.5 | 88.3 | 88.6 | 90.9 | 82.5 | 94.7 | 96.6 | 98.6 | 97.9 | 95.6 | 97.0 | 96.9 | | | | | | | 146.6 |
| (292. DEG K) | 81.3 | 84.7 | 85.7 | 86.3 | 88.6 | 80.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | | | | | | | 145.5 |
| HACT15.96 GM/M3 | 79.2 | 82.5 | 84.9 | 86.3 | 89.1 | 80.5 | 93.6 | 94.0 | 95.9 | 94.0 | 94.5 | 97.2 | 98.2 | | | | | | | 146.6 |
| (.01596 KG/M3) | 78.1 | 81.8 | 83.0 | 85.7 | 88.5 | 79.8 | 92.7 | 92.5 | 95.7 | 93.2 | 92.1 | 95.6 | 95.3 | | | | | | | 145.5 |
| FREQ. SHIFT | 75.7 | 79.4 | 81.5 | 83.4 | 87.7 | 78.0 | 91.2 | 89.8 | 92.6 | 90.5 | 89.4 | 92.2 | 93.1 | | | | | | | 141.4 |
| JET 7 | 73.7 | 78.2 | 79.7 | 81.8 | 84.8 | 75.6 | 87.8 | 88.0 | 91.0 | 88.1 | 88.0 | 87.6 | 90.4 | | | | | | | 141.4 |
| DIAMETER RATIO | 72.9 | 78.2 | 80.8 | 82.3 | 84.5 | 75.0 | 87.9 | 86.5 | 88.8 | 85.5 | 84.3 | 88.3 | 88.5 | | | | | | | 140.7 |
| DF/DM 4.63 | 71.2 | 77.2 | 81.7 | 82.3 | 83.9 | 73.9 | 87.0 | 84.0 | 86.0 | 84.2 | 81.3 | 84.1 | 85.0 | | | | | | | 139.9 |
| 10000 68.6 | 75.9 | 81.5 | 81.5 | 81.3 | 83.2 | 74.8 | 87.1 | 83.5 | 82.5 | 80.1 | 77.8 | 78.2 | 78.6 | | | | | | | 139.5 |
| 12500 66.8 | 73.3 | 80.7 | 79.8 | 80.6 | 80.6 | 73.5 | 85.6 | 83.3 | 81.0 | 78.2 | 75.6 | 73.2 | 74.1 | | | | | | | 139.5 |
| 16000 68.8 | 72.3 | 83.7 | 75.0 | 76.3 | 72.9 | 72.9 | 87.3 | 78.2 | 78.8 | 80.7 | 78.2 | 72.8 | 75.0 | | | | | | | 142.9 |
| OVERALL CALCULATED | 97.4 | 99.0 | 100.6 | 101.7 | 103.6 | 94.9 | 106.7 | 108.8 | 111.6 | 113.6 | 115.9 | 117.7 | 117.0 | | | | | | | 164.5 |
| PNUB 106.3 | 108.9 | 110.7 | 112.3 | 114.7 | 105.8 | 118.2 | 119.2 | 121.8 | 121.4 | 121.3 | 123.3 | 123.2 | | | | | | | | |

*

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | | |
|---------------|------------|-------------------|--|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
| 7 | 766R | 45.7m(150ft.) ARC | FULL-.33m ² (513in ²) |

| RDG. NO. | NO. EGA | FREQ. (C.70)(C.97)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0)(3.2)(3.5) | | | | | | | | | | PWL | | | | | | | | | |
|--------------------|---------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| 100 | 73.4 | 82.4 | 80.4 | 81.5 | 82.5 | 82.9 | 83.3 | 84.0 | 84.7 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 125 | 72.6 | 77.9 | 78.9 | 81.2 | 83.2 | 84.1 | 84.0 | 85.4 | 85.6 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 160 | 73.1 | 75.2 | 78.4 | 78.5 | 80.0 | 80.3 | 80.3 | 82.5 | 84.4 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 200 | 75.5 | 75.5 | 77.5 | 79.3 | 80.2 | 80.3 | 81.9 | 84.6 | 86.8 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 250 | 74.8 | 77.3 | 79.1 | 79.1 | 80.5 | 81.8 | 84.0 | 85.6 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 315 | 76.2 | 79.7 | 79.2 | 81.5 | 83.8 | 84.4 | 85.3 | 87.5 | 89.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 400 | 77.4 | 79.2 | 81.5 | 82.3 | 83.3 | 84.2 | 85.3 | 87.5 | 91.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 500 | 78.3 | 79.3 | 81.0 | 82.3 | 83.9 | 85.5 | 86.4 | 88.3 | 92.3 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 630 | 79.4 | 80.9 | 81.6 | 83.4 | 85.3 | 86.1 | 88.0 | 89.7 | 93.1 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 800 | 79.5 | 81.9 | 82.9 | 84.2 | 86.0 | 87.2 | 88.5 | 90.4 | 94.2 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 1000 | 80.5 | 82.7 | 84.0 | 85.0 | 86.6 | 88.2 | 89.1 | 92.0 | 94.5 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 1250 | 80.8 | 82.8 | 84.8 | 85.1 | 86.5 | 88.3 | 89.2 | 92.1 | 94.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1600 | 80.9 | 82.9 | 83.9 | 85.5 | 87.1 | 88.7 | 89.6 | 91.7 | 94.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 2000 | 80.7 | 82.7 | 84.7 | 85.5 | 86.8 | 88.5 | 89.6 | 92.0 | 94.7 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 2500 | 80.8 | 82.6 | 84.6 | 85.1 | 86.7 | 88.3 | 89.5 | 91.9 | 94.6 | 95.2 | 94.9 | 94.0 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 3150 | 80.5 | 82.8 | 84.3 | 85.6 | 87.7 | 88.5 | 89.9 | 92.3 | 94.8 | 95.2 | 94.3 | 93.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 4000 | 79.5 | 81.8 | 83.6 | 84.4 | 86.5 | 87.8 | 89.0 | 92.9 | 93.8 | 94.4 | 92.1 | 91.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 5000 | 79.1 | 81.4 | 83.2 | 84.5 | 86.1 | 87.9 | 89.1 | 92.5 | 93.5 | 93.3 | 92.0 | 90.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 6300 | 78.4 | 81.0 | 82.3 | 84.1 | 86.6 | 88.3 | 89.9 | 90.6 | 93.5 | 92.9 | 91.1 | 90.2 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 8000 | 77.7 | 79.3 | 81.1 | 83.6 | 85.9 | 87.8 | 89.7 | 90.9 | 92.8 | 92.7 | 90.4 | 89.5 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 10000 | 75.6 | 79.2 | 80.0 | 82.8 | 85.6 | 86.0 | 88.8 | 90.0 | 92.5 | 91.7 | 89.3 | 89.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 12500 | 73.0 | 76.7 | 78.6 | 81.3 | 83.9 | 85.2 | 87.4 | 88.2 | 90.1 | 90.0 | 87.7 | 87.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 16000 | 71.2 | 74.7 | 77.4 | 80.4 | 82.9 | 83.2 | 86.9 | 89.2 | 89.2 | 88.4 | 86.4 | 86.4 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 20000 | 68.7 | 71.9 | 74.5 | 76.7 | 81.2 | 81.0 | 84.7 | 83.2 | 86.0 | 84.8 | 82.7 | 83.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 25000 | 65.9 | 69.6 | 71.5 | 73.8 | 76.6 | 77.5 | 79.3 | 79.9 | 82.8 | 80.9 | 80.4 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 31500 | 63.1 | 67.8 | 70.2 | 72.4 | 75.2 | 75.4 | 78.9 | 77.5 | 79.5 | 77.5 | 75.5 | 77.4 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 40000 | 59.3 | 64.8 | 68.1 | 69.7 | 71.3 | 72.0 | 75.8 | 74.1 | 74.0 | 72.9 | 71.0 | 71.5 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| 50000 | 54.0 | 57.8 | 62.1 | 62.2 | 62.4 | 63.5 | 67.7 | 65.4 | 67.1 | 65.8 | 63.9 | 62.3 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 63000 | 48.5 | 50.8 | 55.7 | 55.0 | 54.6 | 54.5 | 61.1 | 58.6 | 58.2 | 56.7 | 57.6 | 53.7 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 80000 | 45.4 | 47.8 | 54.0 | 50.5 | 50.0 | 50.6 | 60.0 | 51.7 | 53.0 | 57.5 | 54.7 | 49.8 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 51.9 | 94.4 | 95.8 | 97.1 | 98.9 | 100.2 | 101.6 | 103.7 | 106.2 | 108.3 | 109.9 | 110.8 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 | 110.0 |
| PND8 | 104.6 | 106.9 | 108.4 | 109.7 | 111.6 | 112.7 | 114.1 | 116.6 | 118.8 | 120.0 | 120.3 | 120.2 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 770 R ACUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-154cm²(23.9in²)

ANGLES FROM INLET IN DEGREES (AND RADIAN)

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| 7 | 770R | 45.7m(150ft.) ARC | FULL-33m ² (513in ²) |

SIZE

FULL-.33m²(513in²)

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| 7 | 476 R | 731.5m(2400ft.) | SIDELINE
FULL-.33m ² (513in ²) |

| | | ANGLES IN INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-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| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 7 | 771 R | 45.7m(150ft.) ARC |

SIZE
FULL-33m²(513in²)

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | |
|----------------------------------|--------|---|------|------|------|------|------|------|------|------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| | | FREQ. (G.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (3.0.) | | | | | | | | | | | |
| SIDELINE 2400. FT.
(731.52 M) | NO EGA | 50 | 52.7 | 57.3 | 60.2 | 61.2 | 62.7 | 64.2 | 66.2 | 67.9 | 69.4 | 73.1 | 77.5 |
| | | 53 | 53.5 | 59.9 | 60.0 | 62.7 | 65.5 | 66.7 | 67.2 | 69.2 | 71.5 | 75.2 | 79.7 |
| | | 80 | 56.2 | 58.8 | 62.4 | 63.2 | 65.5 | 67.0 | 67.5 | 70.4 | 72.9 | 77.6 | 81.4 |
| | | 100 | 56.9 | 59.1 | 61.9 | 63.7 | 65.0 | 67.5 | 68.2 | 71.2 | 74.2 | 79.1 | 82.7 |
| | | 125 | 57.9 | 60.8 | 62.7 | 65.0 | 67.0 | 68.7 | 70.2 | 72.5 | 75.7 | 79.4 | 81.7 |
| NFA
(0. RAD/SEC) | | 160 | 58.7 | 61.7 | 63.8 | 66.1 | 68.1 | 69.7 | 70.9 | 73.6 | 76.8 | 80.2 | 81.7 |
| | | 200 | 60.6 | 63.1 | 65.5 | 67.1 | 68.6 | 70.6 | 71.8 | 74.8 | 78.0 | 80.4 | 81.8 |
| | | 250 | 59.7 | 62.7 | 66.4 | 67.5 | 69.3 | 70.8 | 71.8 | 75.0 | 78.6 | 80.2 | 81.7 |
| | | 315 | 59.5 | 63.8 | 65.0 | 67.4 | 69.9 | 71.7 | 72.2 | 74.1 | 77.5 | 79.4 | 81.7 |
| | | 400 | 59.8 | 62.2 | 65.5 | 66.9 | 69.2 | 70.7 | 72.4 | 75.1 | 77.0 | 78.6 | 81.7 |
| NFD
(785. RAD/SEC) | | 500 | 59.2 | 61.9 | 64.8 | 66.4 | 69.0 | 70.3 | 71.5 | 74.9 | 77.3 | 78.5 | 81.7 |
| | | 630 | 59.0 | 61.3 | 64.8 | 66.7 | 69.3 | 70.8 | 71.6 | 74.7 | 77.0 | 78.5 | 81.7 |
| | | 800 | 57.4 | 60.4 | 63.2 | 65.2 | 67.8 | 69.3 | 70.6 | 74.2 | 75.1 | 78.5 | 81.7 |
| | | 1000 | 56.2 | 59.4 | 62.3 | 65.3 | 67.0 | 69.1 | 70.0 | 73.1 | 74.6 | 78.5 | 81.7 |
| | | 1250 | 53.5 | 57.7 | 60.7 | 63.4 | 66.3 | 68.4 | 70.1 | 71.9 | 73.0 | 76.1 | 81.7 |
| LOC C41 ANECH CH | | 1500 | 50.7 | 54.8 | 58.0 | 62.0 | 65.0 | 66.8 | 68.5 | 70.2 | 71.0 | 73.3 | 75.0 |
| | | 2000 | 47.0 | 52.7 | 56.0 | 59.8 | 63.2 | 64.0 | 65.9 | 68.1 | 69.0 | 71.6 | 73.3 |
| | | 2500 | 41.4 | 47.8 | 51.9 | 56.0 | 59.6 | 61.0 | 63.1 | 63.9 | 64.7 | 67.6 | 71.6 |
| | | 3150 | 34.1 | 42.7 | 46.9 | 51.7 | 55.6 | 56.2 | 59.1 | 58.5 | 60.1 | 61.6 | 64.7 |
| | | 4000 | 23.6 | 32.8 | 39.0 | 44.1 | 49.6 | 49.9 | 52.4 | 50.6 | 51.3 | 45.7 | 39.4 |
| FAM TIP SPEED
FT/SEC | | 5000 | 16.7 | 27.4 | 33.3 | 39.4 | 43.6 | 44.2 | 45.3 | 45.5 | 45.6 | 38.9 | 33.5 |
| | | 6300 | 1.5 | 14.5 | 23.1 | 29.6 | 34.3 | 34.9 | 36.4 | 34.4 | 33.1 | 25.9 | 17.2 |
| | | 8000 | | 5.9 | 13.8 | 18.2 | 19.1 | 20.2 | 17.0 | 14.9 | 5.9 | | |
| | | 10000 | | | | | | | | | | | |
| | | 12500 | | | | | | | | | | | |
| OVERALL CALCULATED | | 69.8 | 73.0 | 75.6 | 77.6 | 79.8 | 81.4 | 82.6 | 85.3 | 87.6 | 89.7 | 90.7 | 85.6 |
| | | 74.0 | 77.6 | 80.8 | 83.5 | 86.4 | 87.9 | 89.5 | 91.6 | 93.3 | 94.0 | 93.4 | 86.2 |
| | | PND3 | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 771 R ACUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-.33m²(513in²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

PROC. DATE - MONTH 9 DAY 7 HR. 13.5
 ANGLES FROM INLET IN DEGREES (AND RADIAN) 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. 250. 260. 270. 280. 290. 300. 310. 320. 330. 340. 350. 360. 370. 380. 390. 400. 410. 420. 430. 440. 450. 460. 470. 480. 490. 500. 510. 520. 530. 540. 550. 560. 570. 580. 590. 600. 610. 620. 630. 640. 650. 660. 670. 680. 690. 700. 710. 720. 730. 740. 750. 760. 770. 780. 790. 800. 810. 820. 830. 840. 850. 860. 870. 880. 890. 900. 910. 920. 930. 940. 950. 960. 970. 980. 990. 1000. 1010. 1020. 1030. 1040. 1050. 1060. 1070. 1080. 1090. 1100. 1110. 1120. 1130. 1140. 1150. 1160. 1170. 1180. 1190. 1200. 1210. 1220. 1230. 1240. 1250. 1260. 1270. 1280. 1290. 1300. 1310. 1320. 1330. 1340. 1350. 1360. 1370. 1380. 1390. 1400. 1410. 1420. 1430. 1440. 1450. 1460. 1470. 1480. 1490. 1500. 1510. 1520. 1530. 1540. 1550. 1560. 1570. 1580. 1590. 1600. 1610. 1620. 1630. 1640. 1650. 1660. 1670. 1680. 1690. 1700. 1710. 1720. 1730. 1740. 1750. 1760. 1770. 1780. 1790. 1800. 1810. 1820. 1830. 1840. 1850. 1860. 1870. 1880. 1890. 1900. 1910. 1920. 1930. 1940. 1950. 1960. 1970. 1980. 1990. 2000. 2010. 2020. 2030. 2040. 2050. 2060. 2070. 2080. 2090. 2100. 2110. 2120. 2130. 2140. 2150. 2160. 2170. 2180. 2190. 2200. 2210. 2220. 2230. 2240. 2250. 2260. 2270. 2280. 2290. 2300. 2310. 2320. 2330. 2340. 2350. 2360. 2370. 2380. 2390. 2400. 2410. 2420. 2430. 2440. 2450. 2460. 2470. 2480. 2490. 2500. 2510. 2520. 2530. 2540. 2550. 2560. 2570. 2580. 2590. 2600. 2610. 2620. 2630. 2640. 2650. 2660. 2670. 2680. 2690. 2700. 2710. 2720. 2730. 2740. 2750. 2760. 2770. 2780. 2790. 2800. 2810. 2820. 2830. 2840. 2850. 2860. 2870. 2880. 2890. 2900. 2910. 2920. 2930. 2940. 2950. 2960. 2970. 2980. 2990. 3000. 3010. 3020. 3030. 3040. 3050. 3060. 3070. 3080. 3090. 3100. 3110. 3120. 3130. 3140. 3150. 3160. 3170. 3180. 3190. 3200. 3210. 3220. 3230. 3240. 3250. 3260. 3270. 3280. 3290. 3300. 3310. 3320. 3330. 3340. 3350. 3360. 3370. 3380. 3390. 3400. 3410. 3420. 3430. 3440. 3450. 3460. 3470. 3480. 3490. 3500. 3510. 3520. 3530. 3540. 3550. 3560. 3570. 3580. 3590. 3600. 3610. 3620. 3630. 3640. 3650. 3660. 3670. 3680. 3690. 3700. 3710. 3720. 3730. 3740. 3750. 3760. 3770. 3780. 3790. 3800. 3810. 3820. 3830. 3840. 3850. 3860. 3870. 3880. 3890. 3900. 3910. 3920. 3930. 3940. 3950. 3960. 3970. 3980. 3990. 4000. 4010. 4020. 4030. 4040. 4050. 4060. 4070. 4080. 4090. 4100. 4110. 4120. 4130. 4140. 4150. 4160. 4170. 4180. 4190. 4200. 4210. 4220. 4230. 4240. 4250. 4260. 4270. 4280. 4290. 4300. 4310. 4320. 4330. 4340. 4350. 4360. 4370. 4380. 4390. 4400. 4410. 4420. 4430. 4440. 4450. 4460. 4470. 4480. 4490. 4500. 4510. 4520. 4530. 4540. 4550. 4560. 4570. 4580. 4590. 4600. 4610. 4620. 4630. 4640. 4650. 4660. 4670. 4680. 4690. 4700. 4710. 4720. 4730. 4740. 4750. 4760. 4770. 4780. 4790. 4800. 4810. 4820. 4830. 4840. 4850. 4860. 4870. 4880. 4890. 4900. 4910. 4920. 4930. 4940. 4950. 4960. 4970. 4980. 4990. 5000. 5010. 5020. 5030. 5040. 5050. 5060. 5070. 5080. 5090. 5100. 5110. 5120. 5130. 5140. 5150. 5160. 5170. 5180. 5190. 5200. 5210. 5220. 5230. 5240. 5250. 5260. 5270. 5280. 5290. 5300. 5310. 5320. 5330. 5340. 5350. 5360. 5370. 5380. 5390. 5400. 5410. 5420. 5430. 5440. 5450. 5460. 5470. 5480. 5490. 5500. 5510. 5520. 5530. 5540. 5550. 5560. 5570. 5580. 5590. 5600. 5610. 5620. 5630. 5640. 5650. 5660. 5670. 5680. 5690. 5700. 5710. 5720. 5730. 5740. 5750. 5760. 5770. 5780. 5790. 5800. 5810. 5820. 5830. 5840. 5850. 5860. 5870. 5880. 5890. 5900. 5910. 5920. 5930. 5940. 5950. 5960. 5970. 5980. 5990. 6000. 6010. 6020. 6030. 6040. 6050. 6060. 6070. 6080. 6090. 6100. 6110. 6120. 6130. 6140. 6150. 6160. 6170. 6180. 6190. 6200. 6210. 6220. 6230. 6240. 6250. 6260. 6270. 6280. 6290. 6300. 6310. 6320. 6330. 6340. 6350. 6360. 6370. 6380. 6390. 6400. 6410. 6420. 6430. 6440. 6450. 6460. 6470. 6480. 6490. 6500. 6510. 6520. 6530. 6540. 6550. 6560. 6570. 6580. 6590. 6600. 6610. 6620. 6630. 6640. 6650. 6660. 6670. 6680. 6690. 6700. 6710. 6720. 6730. 6740. 6750. 6760. 6770. 6780. 6790. 6800. 6810. 6820. 6830. 6840. 6850. 6860. 6870. 6880. 6890. 6900. 6910. 6920. 6930. 6940. 6950. 6960. 6970. 6980. 6990. 7000. 7010. 7020. 7030. 7040. 7050. 7060. 7070. 7080. 7090. 7100. 7110. 7120. 7130. 7140. 7150. 7160. 7170. 7180. 7190. 7200. 7210. 7220. 7230. 7240. 7250. 7260. 7270. 7280. 7290. 7300. 7310. 7320. 7330. 7340. 7350. 7360. 7370. 7380. 7390. 7400. 7410. 7420. 7430. 7440. 7450. 7460. 7470. 7480. 7490. 7500. 7510. 7520. 7530. 7540. 7550. 7560. 7570. 7580. 7590. 7600. 7610. 7620. 7630. 7640. 7650. 7660. 7670. 7680. 7690. 7700. 7710. 7720. 7730. 7740. 7750. 7760. 7770. 7780. 7790. 7800. 7810. 7820. 7830. 7840. 7850. 7860. 7870. 7880. 7890. 7900. 7910. 7920. 7930. 7940. 7950. 7960. 7970. 7980. 7990. 8000. 8010. 8020. 8030. 8040. 8050. 8060. 8070. 8080. 8090. 8100. 8110. 8120. 8130. 8140. 8150. 8160. 8170. 8180. 8190. 8200. 8210. 8220. 8230. 8240. 8250. 8260. 8270. 8280. 8290. 8300. 8310. 8320. 8330. 8340. 8350. 8360. 8370. 8380. 8390. 8400. 8410. 8420. 8430. 8440. 8450. 8460. 8470. 8480. 8490. 8500. 8510. 8520. 8530. 8540. 8550. 8560. 8570. 8580. 8590. 8600. 8610. 8620. 8630. 8640. 8650. 8660. 8670. 8680. 8690. 8700. 8710. 8720. 8730. 8740. 8750. 8760. 8770. 8780. 8790. 8800. 8810. 8820. 8830. 8840. 8850. 8860. 8870. 8880. 8890. 8900. 8910. 8920. 8930. 8940. 8950. 8960. 8970. 8980. 8990. 9000. 9010. 9020. 9030. 9040. 9050. 9060. 9070. 9080. 9090. 9100. 9110. 9120. 9130. 9140. 9150. 9160. 9170. 9180. 9190. 9200. 9210. 9220. 9230. 9240. 9250. 9260. 9270. 9280. 9290. 9300. 9310. 9320. 9330. 9340. 9350. 9360. 9370. 9380. 9390. 9400. 9410. 9420. 9430. 9440. 9450. 9460. 9470. 9480. 9490. 9500. 9510. 9520. 9530. 9540. 9550. 9560. 9570. 9580. 9590. 9600. 9610. 9620. 9630. 9640. 9650. 9660. 9670. 9680. 9690. 9700. 9710. 9720. 9730. 9740. 9750. 9760. 9770. 9780. 9790. 9800. 9810. 9820. 9830. 9840. 9850. 9860. 9870. 9880. 9890. 9900. 9910. 9920. 9930. 9940. 9950. 9960. 9970. 9980. 9990. 10000. 10010. 10020. 10030. 10040. 10050. 10060. 10070. 10080. 10090. 10100. 10110. 10120. 10130. 10140. 10150. 10160. 10170. 10180. 10190. 10200. 10210. 10220. 10230. 10240. 10250. 10260. 10270. 10280. 10290. 10300. 10310. 10320. 10330. 10340. 10350. 10360. 10370. 10380. 10390. 10400. 10410. 10420. 10430. 10440. 10450. 10460. 10470. 10480. 10490. 10500. 10510. 10520. 10530. 10540. 10550. 10560. 10570. 10580. 10590. 10600. 10610. 10620. 10630. 10640. 10650. 10660. 10670. 10680. 10690. 10700. 10710. 10720. 10730. 10740. 10750. 10760. 10770. 10780. 10790. 10800. 10810. 10820. 10830. 10840. 10850. 10860. 10870. 10880. 10890. 10900. 10910. 10920. 10930. 10940. 10950. 10960. 10970. 10980. 10990. 11000. 11010. 11020. 11030. 11040. 11050. 11060. 11070. 11080. 11090. 11100. 11110. 11120. 11130. 11140. 11150. 11160. 11170. 11180. 11190. 11200. 11210. 11220. 11230. 11240. 11250. 11260. 11270. 11280. 11290. 11300. 11310. 11320. 11330. 11340. 11350. 11360. 11370. 11380. 11390. 11400. 11410. 11420. 11430. 11440. 11450. 11460. 11470. 11480. 11490. 11500. 11510. 11520. 11530. 11540. 11550. 11560. 11570. 11580. 11590. 11600. 11610. 11620. 11630. 11640. 11650. 11660. 11670. 11680. 11690. 11700. 11710. 11720. 11730. 11740. 11750. 11760. 11770. 11780. 11790. 11800. 11810. 11820. 11830. 11840. 11850. 11860. 11870. 11880. 11890. 11900. 11910. 11920. 11930. 11940. 11950. 11960. 11970. 11980. 11990. 12000. 12010. 12020. 12030. 12040. 12050. 12060. 12070. 12080. 12090. 12100. 12110. 12120. 12130. 12140. 12150. 12160. 12170. 12180. 12190. 12200. 12210. 12220. 12230. 12240. 12250. 12260. 12270. 12280. 12290. 12300. 12310. 12320. 12330. 12340. 12350. 12360. 12370. 12380. 12390. 12400. 12410. 12420. 12430. 12440. 12450. 12460. 12470. 12480. 12490. 12500. 12510. 12520. 12530. 12540. 12550. 12560. 12570. 12580. 12590. 12600. 12610. 12620. 12630. 12640. 12650. 12660. 12670. 12680. 12690. 12700. 12710. 12720. 12730. 12740. 12750. 12760. 12770. 12780. 12790. 12800. 12810. 12820. 12830. 12840. 12850. 12860. 12870. 12880. 12890. 12900. 12910. 12920. 12930. 12940. 12950. 12960. 12970. 12980. 12990. 13000. 13010. 13020. 13030. 13040. 13050. 13060. 13070. 13080. 13090. 13100. 13110. 13120. 13130. 13140. 13150. 13160. 13170. 13180. 13190. 13200. 13210. 13220. 13230. 13240. 13250. 13260. 13270. 13280. 13290. 13300. 13310. 13320. 13330. 13340. 13350. 13360. 13370. 13380. 13390. 13400. 13410. 13420. 13430. 13440. 13450. 13460. 13470. 13480. 13490. 13500. 13510. 13520. 13530. 13540. 13550. 13560. 13570. 13580. 13590. 13600. 13610. 13620. 13630. 13640. 13650. 13660. 13670. 13680. 13690. 13700. 13710. 13720. 13730. 13740. 13750. 13760. 13770. 13780. 13790. 13800. 13810. 13820. 13830. 13840. 13850. 13860. 13870. 13880. 13890. 13900. 13910. 13920. 13930. 13940. 13950. 13960. 13970. 13980. 13990. 14000. 14010. 14020. 14030. 14040. 14050. 14060. 14070. 14080. 14090. 14100. 14110. 14120. 14130. 14140. 14150. 14160. 14170. 14180. 14190. 14200. 14210. 14220. 14230. 14240. 14250. 14260. 14270. 14280. 14290. 14300. 14310. 14320. 14330. 14340. 14350. 14360. 14370. 14380. 14390. 14400. 14410. 14420. 14430. 14440. 14450. 14460. 14470. 14480. 14490. 14500. 14510. 14520. 14530. 14540. 14550. 14560. 14570. 14580. 14590. 14600. 14610. 14620. 14630. 14640. 14650. 14660. 14670. 14680. 14690. 14700. 14710. 14720. 14730. 14740. 14750. 14760. 14770. 14780. 14790. 14800. 14810. 14820. 14830. 14840. 14850. 14860. 14870. 14880. 14890. 14900. 14910. 14920. 14930. 14940. 14950. 14960. 14970. 14980. 14990. 15000. 15010. 15020. 15030. 15040. 15050. 15060. 15070. 15080. 15090. 15100. 15110. 15120. 15130. 15140. 15150. 15160. 15170. 15180. 15190. 15200. 15210. 15220. 15230. 15240. 15250. 15260. 15270. 15280. 15290. 15300. 15310. 15320. 15330. 15340. 15350. 15360. 15370. 15380. 15390. 15400. 15410. 15420. 15430. 15440. 15450. 15460. 15470. 15480. 15490. 15500. 15510. 15520. 15530. 15540. 15550. 15560. 15570. 15580. 15590. 15600. 15610. 15620. 15630. 15640. 15650. 15660. 15670. 15680. 15690. 15700. 15710. 15720. 15730. 15740. 15750. 15760. 15770. 15780. 15790. 15800. 15810. 15820. 15830. 15840. 15850. 15860. 15870. 15880. 15890. 15900. 15910. 15920. 15930. 15940. 15950. 15960. 15970. 15980. 15990. 16000. 16010. 16020. 16030. 16040. 16050. 16060. 16070. 16080. 16090. 16100. 16110. 16120. 16130. 16140. 16150. 16160. 16170. 16180. 16190. 16200. 16210. 16220. 16230. 16240. 16250. 16260. 16270. 16280. 16290. 16300. 16310. 16320. 16330. 16340. 16350. 16360. 16370. 16380. 16390. 16400. 16410. 16420. 16430. 16440. 16450. 16460. 16470. 16480. 16490. 16500. 16510. 16520. 16530. 16540. 16550. 16560. 16570. 16580. 16590. 16600. 16610. 16620. 16630. 16640. 16650. 16660. 16670. 16680. 16690. 16700. 16710. 16720. 16730. 16740. 16750. 16760. 16770. 16780. 16790. 16800. 16810. 16820. 16830. 16840. 16850. 16860. 16870. 16880. 16890. 16900. 16910. 16920. 16930. 16940. 16950. 16960. 16970. 16980. 16990. 17000. 17010. 17020. 17030. 17040. 17050. 17060. 17070. 17080. 17090. 17100. 17110. 17120. 17130. 17140. 17150. 17160. 17170. 17180. 17190. 17200. 17210. 17220. 17230. 17240. 17250. 17260. 17270. 17280. 17290. 17300. 17310. 17320. 17330. 17340. 17350. 17360. 17370. 17380. 17390. 17400. 17410. 17420. 17430. 17440. 17450. 17460. 17470. 17480. 17490. 17500. 17510. 17520. 17530. 17540. 17550. 17560. 17570. 17580. 17590. 17600. 17610. 17620. 17630. 17640. 17650. 17660. 17670. 17680. 17690. 17700. 17710. 17720. 17730. 17740. 17750. 17760. 17770. 17780. 17790. 17800. 17810. 17820. 17830. 17840. 17850. 17860. 17870. 17880. 17890. 17900. 17910. 17920. 17930. 17940. 17950. 17960. 17970. 17980. 17990. 18000. 18010. 18020. 18030. 18040. 18050. 18060. 18070. 18080. 18090. 18100. 18110. 18120. 18130. 18140. 18150. 18160. 18170. 18180. 18190. 18200. 18210. 18220. 18230. 18240. 18250. 18260. 18270. 18280. 18290. 18300. 18310. 18320. 18330. 18340. 18350. 18360. 18370. 18380. 18390. 18400. 18410. 18420. 18430. 18440. 18450. 18460. 18470. 18480. 18490. 18500. 18510. 18520. 18530. 18540. 18550. 18560. 18570. 18580. 18590. 18600. 18610. 18620. 18630. 18640. 18650. 18660. 18670. 18680. 18690. 18700. 18710. 18720. 18730. 18740. 18750. 18760. 18770. 18780. 18790. 18800. 18810. 18820. 18830. 18840. 18850. 18860. 18870. 18880. 18890. 18900. 18910. 18920. 18930. 18940. 18950. 18960. 18970. 18980. 18990. 19000. 19010. 19020. 19030. 19040. 19050. 1

FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 9 DAY 7 HR. 17.6
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | PWL |
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.43) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) |
| NO EGA | 50 | 82.4 | 85.4 | 86.9 | 87.5 | 88.3 | 89.7 | 91.6 | 94.0 | 95.9 | 101.0 | 107.4 | 109.9 | 155.1 |
| RDG. 140. 0. | 63 | 83.7 | 87.8 | 86.5 | 89.1 | 91.4 | 92.0 | 92.9 | 95.1 | 98.3 | 103.3 | 109.0 | 112.5 | 157.1 |
| RADIAL 150. FT. | 80 | 86.9 | 87.5 | 89.3 | 89.3 | 90.9 | 92.3 | 93.4 | 96.8 | 103.1 | 105.6 | 111.3 | 113.5 | 158.4 |
| (46. M) | 100 | 86.4 | 87.6 | 89.1 | 89.7 | 91.5 | 93.1 | 94.3 | 96.9 | 100.9 | 107.5 | 113.2 | 114.6 | 159.8 |
| VEHICLE CELL41 | 125 | 87.5 | 89.0 | 89.7 | 91.3 | 93.1 | 94.5 | 96.1 | 99.0 | 102.7 | 108.3 | 113.0 | 114.4 | 159.9 |
| CONFIG MCS8 | 160 | 89.0 | 90.3 | 91.0 | 92.5 | 94.2 | 95.8 | 97.4 | 99.5 | 103.3 | 108.6 | 112.5 | 114.0 | 159.8 |
| LOC C41 ANECH CH | 200 | 91.3 | 92.3 | 93.8 | 94.1 | 95.2 | 96.6 | 98.0 | 100.9 | 104.3 | 108.7 | 111.4 | 112.8 | 159.2 |
| DATE 06-16-76 | 250 | 90.9 | 91.9 | 94.4 | 95.0 | 95.6 | 97.7 | 98.6 | 101.5 | 105.2 | 108.5 | 110.0 | 113.1 | 159.1 |
| RUN CONF7REPEATH | 315 | 91.0 | 92.5 | 92.8 | 94.3 | 96.2 | 98.0 | 99.2 | 101.3 | 105.5 | 108.6 | 110.1 | 112.5 | 159.2 |
| TAPE X07720 | 400 | 91.5 | 92.3 | 94.4 | 94.9 | 96.5 | 97.6 | 99.7 | 102.4 | 105.9 | 107.9 | 109.9 | 112.6 | 158.8 |
| BAP 29.5 HG | 500 | 91.7 | 92.5 | 93.7 | 95.5 | 96.3 | 97.7 | 99.6 | 102.5 | 106.0 | 107.6 | 109.3 | 112.2 | 158.5 |
| (08942. N/M2) | 530 | 92.2 | 93.2 | 95.2 | 95.5 | 97.1 | 98.0 | 100.1 | 103.0 | 106.5 | 107.8 | 110.0 | 111.7 | 157.4 |
| TAMB 74. DEG F | 800 | 91.2 | 92.0 | 93.8 | 94.6 | 96.2 | 97.8 | 99.7 | 102.8 | 105.1 | 107.2 | 108.9 | 110.3 | 156.9 |
| (296. DEG K) | 1000 | 90.4 | 91.7 | 93.7 | 95.0 | 96.1 | 97.9 | 99.6 | 102.7 | 105.4 | 106.1 | 108.3 | 108.7 | 156.4 |
| TWET 68. DEG F | 1250 | 89.5 | 91.1 | 92.9 | 94.4 | 96.7 | 98.3 | 100.7 | 102.4 | 105.4 | 105.3 | 107.7 | 109.3 | 156.9 |
| (293. DEG K) | 1600 | 89.5 | 91.0 | 92.4 | 94.4 | 96.9 | 98.3 | 100.4 | 102.1 | 104.9 | 104.7 | 106.7 | 108.5 | 156.4 |
| HACT15.33 GM/M3 | 2000 | 87.3 | 90.9 | 92.5 | 93.8 | 96.6 | 96.7 | 99.6 | 102.0 | 104.0 | 103.7 | 105.1 | 107.7 | 155.6 |
| (.01533 KG/M3) | 2500 | 86.3 | 90.1 | 91.4 | 93.1 | 95.2 | 96.1 | 99.2 | 100.3 | 102.9 | 102.1 | 103.3 | 106.3 | 155.5 |
| FREQ. SHIFT | 3150 | 84.4 | 88.9 | 90.6 | 93.5 | 95.8 | 95.2 | 98.8 | 99.1 | 102.1 | 100.6 | 102.2 | 105.7 | 154.4 |
| JET 7 | 4000 | 82.3 | 86.1 | 88.9 | 90.8 | 95.3 | 94.4 | 96.8 | 96.1 | 99.4 | 97.7 | 99.3 | 101.5 | 153.9 |
| DIAMETER RATIO | 5000 | 80.6 | 85.1 | 86.5 | 88.8 | 91.5 | 92.2 | 93.5 | 94.4 | 97.5 | 95.3 | 98.2 | 98.5 | 151.5 |
| DF/DM 4.63 | 6300 | 80.4 | 84.4 | 87.1 | 88.3 | 91.6 | 91.3 | 93.5 | 92.8 | 95.6 | 93.4 | 96.4 | 101.1 | 149.4 |
| | 8000 | 78.3 | 82.1 | 85.6 | 86.7 | 89.0 | 88.3 | 90.5 | 90.4 | 92.9 | 92.2 | 94.8 | 98.7 | 149.5 |
| | 10000 | 76.3 | 79.2 | 83.3 | 83.9 | 85.8 | 84.4 | 85.1 | 86.1 | 88.6 | 88.5 | 92.4 | 94.1 | 148.2 |
| | 12500 | 76.2 | 78.1 | 83.1 | 82.1 | 81.9 | 82.3 | 81.4 | 83.4 | 85.9 | 87.6 | 90.5 | 92.6 | 145.6 |
| | 16000 | 79.7 | 81.6 | 87.7 | 84.2 | 83.9 | 84.5 | 84.9 | 85.6 | 87.5 | 92.1 | 93.0 | 94.7 | 145.5 |
| OVERALL CALCULATED | 102.4 | 103.9 | 105.6 | 106.7 | 108.6 | 109.7 | 111.6 | 113.9 | 117.1 | 119.5 | 122.6 | 124.6 | 124.0 | 151.3 |
| PNDB 112.1 | 114.9 | 116.6 | 118.4 | 120.6 | 120.9 | 123.5 | 124.8 | 127.8 | 128.3 | 130.4 | 133.0 | 132.4 | | 171.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 772 R ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | | |
|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| ANGLES FROM INLET IN DEGREES (AND RADIANS) | | | | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
| | | FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) |
| NO EGA
(731.52 M)
SIDELINE 2400. FT. | 50 | 54.2 | 58.8 | 61.4 | 62.7 | 63.9 | 65.4 | 67.2 | 69.2 | 70.4 | 74.4 | 79.3 | 79.4 | 76.5 | | | | |
| | 63 | 55.5 | 61.1 | 61.0 | 64.2 | 67.0 | 67.7 | 68.5 | 70.2 | 72.7 | 76.7 | 80.8 | 82.0 | 78.0 | | | | |
| | 80 | 57.7 | 60.8 | 63.7 | 64.4 | 66.5 | 68.0 | 69.0 | 71.9 | 74.4 | 78.9 | 83.0 | 82.9 | 78.1 | | | | |
| | 100 | 57.9 | 60.8 | 63.4 | 64.7 | 67.0 | 68.7 | 69.7 | 72.0 | 75.2 | 80.6 | 84.7 | 84.1 | 78.7 | | | | |
| | 125 | 58.9 | 62.0 | 63.9 | 66.2 | 68.5 | 70.0 | 71.5 | 74.0 | 76.9 | 81.4 | 84.4 | 83.5 | 78.8 | | | | |
| | 160 | 60.2 | 63.2 | 65.1 | 67.4 | 69.6 | 71.2 | 72.6 | 74.4 | 77.8 | 81.5 | 83.8 | 82.8 | 78.8 | | | | |
| | 200 | 62.9 | 65.1 | 67.8 | 68.8 | 70.3 | 71.9 | 73.1 | 75.6 | 78.3 | 81.4 | 82.4 | 81.4 | 77.7 | | | | |
| | 250 | 61.7 | 64.5 | 68.2 | 69.5 | 70.5 | 72.8 | 73.5 | 76.0 | 78.9 | 81.0 | 80.7 | 81.4 | 77.1 | | | | |
| | 315 | 61.5 | 64.8 | 66.3 | 68.6 | 70.9 | 72.9 | 73.9 | 75.6 | 79.0 | 80.9 | 80.5 | 80.3 | 77.0 | | | | |
| | 400 | 61.6 | 64.2 | 67.5 | 68.9 | 70.9 | 72.2 | 74.2 | 76.4 | 79.0 | 79.8 | 79.9 | 79.8 | 74.5 | | | | |
| MFA
(1. RPM)
MFK
(0. RAD/SEC)
MFO
(7500. RPM)
(785. RAD/SEC)
AIRFLOW RATIO
WF/WF 4.63 | 500 | 61.2 | 63.9 | 66.5 | 69.1 | 70.5 | 72.0 | 73.7 | 76.1 | 78.7 | 79.0 | 78.7 | 78.7 | 73.1 | | | | |
| | 630 | 61.0 | 64.1 | 67.5 | 68.7 | 70.8 | 71.8 | 73.8 | 76.2 | 78.8 | 78.7 | 78.8 | 77.3 | 70.0 | | | | |
| | 800 | 59.1 | 62.2 | 65.4 | 67.2 | 69.3 | 71.1 | 72.8 | 75.4 | 78.7 | 77.3 | 76.8 | 74.5 | 66.1 | | | | |
| | 1000 | 57.2 | 60.9 | 64.5 | 66.8 | 68.5 | 70.5 | 72.0 | 74.6 | 76.3 | 75.3 | 75.1 | 71.7 | 64.2 | | | | |
| | 1250 | 55.0 | 59.2 | 62.7 | 65.3 | 68.3 | 70.1 | 72.3 | 73.3 | 75.2 | 73.3 | 73.1 | 70.6 | 61.7 | | | | |
| | 1600 | 53.0 | 57.5 | 60.8 | 64.0 | 67.2 | 68.8 | 70.7 | 71.7 | 73.3 | 71.2 | 70.2 | 67.3 | 57.2 | | | | |
| | 2000 | 48.5 | 55.5 | 59.2 | 61.8 | 65.4 | 65.8 | 68.4 | 70.1 | 70.7 | 68.2 | 66.3 | 65.5 | 52.7 | | | | |
| | 2500 | 44.2 | 51.8 | 55.7 | 59.0 | 61.4 | 63.0 | 65.9 | 66.1 | 67.2 | 63.9 | 61.1 | 57.8 | 44.9 | | | | |
| | 3150 | 36.9 | 46.2 | 50.9 | 55.7 | 59.3 | 58.8 | 62.1 | 61.3 | 62.4 | 57.8 | 54.7 | 50.2 | 34.2 | | | | |
| | 4000 | 26.7 | 36.6 | 43.3 | 47.6 | 53.4 | 52.9 | 54.9 | 52.9 | 53.8 | 48.2 | 43.7 | 35.5 | 16.2 | | | | |
| FAN TIP SPEED
FT/SEC | 5000 | 20.3 | 31.7 | 37.4 | 42.4 | 46.6 | 47.8 | 48.6 | 48.1 | 48.5 | 42.0 | 37.9 | 26.4 | 4.7 | | | | |
| | 6300 | 6.3 | 19.6 | 28.0 | 32.7 | 37.9 | 38.2 | 39.8 | 37.2 | 36.5 | 25.6 | 22.3 | 11.1 | | | | | |
| | 8000 | | | | | | | | | | | | | | | | | |
| | 10000 | | | | | | | | | | | | | | | | | |
| | 12500 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 71.6 | 74.7 | 77.5 | 79.3 | 81.4 | 82.9 | 84.5 | 86.6 | 89.1 | 91.2 | 93.0 | 92.5 | 88.0 | | | | |
| PNDB | | 75.9 | 79.8 | 83.1 | 85.6 | 88.5 | 89.8 | 91.7 | 93.2 | 95.1 | 95.6 | 96.0 | 95.0 | 89.4 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 772 R ACUSTIC RANGE 731.5m(2400ft.) SIDELINE FULL-33m(513in²) SIZE

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIANES)

| RDG. NO. | NO. EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
|--------------------|---------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|-------|
| RADIAL (12. M) | | (C.70)(C.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(3.0) | | | | | | | | | | | | | | | | | | |
| VEHICLE CELL 41 | 100 | 74.1 | 83.4 | 81.4 | 82.5 | 84.0 | 83.9 | 84.0 | 85.0 | 85.4 | 87.7 | 91.7 | 91.6 | 93.6 | | | | | | 128.8 |
| CONFIG NC58 | 125 | 74.1 | 78.1 | 80.1 | 81.9 | 84.0 | 85.1 | 85.0 | 86.7 | 86.4 | 85.4 | 83.1 | 94.8 | 95.4 | | | | | | 130.0 |
| LOC C41 ANECHO CH | 200 | 74.4 | 76.7 | 80.4 | 80.0 | 81.3 | 81.9 | 81.8 | 83.7 | 86.2 | 90.2 | 93.9 | 94.9 | 96.7 | | | | | | 130.4 |
| DATE 06-16-76 | 250 | 76.1 | 79.1 | 80.3 | 80.6 | 81.4 | 81.8 | 83.2 | 85.6 | 85.3 | 91.6 | 95.3 | 99.3 | 100.3 | | | | | | 133.6 |
| RUN CONF7REPEATH | 315 | 77.4 | 80.4 | 82.7 | 83.5 | 84.6 | 85.7 | 86.6 | 88.5 | 90.9 | 95.8 | 100.7 | 103.6 | 103.7 | | | | | | 135.6 |
| TAPE X07750 | 400 | 79.4 | 81.0 | 82.7 | 83.5 | 84.6 | 85.7 | 86.8 | 89.8 | 92.7 | 97.8 | 102.5 | 104.9 | 103.5 | | | | | | 137.3 |
| BAR 29.3 HG | 500 | 79.5 | 81.0 | 82.5 | 83.3 | 85.3 | 87.0 | 87.7 | 90.6 | 93.3 | 98.6 | 102.3 | 104.8 | 103.0 | | | | | | 138.4 |
| (99009. M/M2) | 630 | 80.6 | 82.6 | 83.4 | 84.7 | 86.0 | 87.4 | 89.0 | 91.4 | 94.6 | 99.0 | 101.7 | 103.1 | 101.1 | | | | | | 138.4 |
| TAP 67. DEG F | 800 | 81.6 | 83.7 | 84.4 | 85.9 | 87.5 | 88.4 | 89.8 | 92.4 | 95.7 | 100.0 | 101.9 | 102.1 | 98.7 | | | | | | 137.3 |
| (291. DEG K) | 1000 | 82.5 | 84.1 | 85.5 | 86.3 | 87.9 | 89.5 | 90.9 | 93.8 | 96.0 | 99.8 | 101.3 | 99.9 | 97.2 | | | | | | 137.2 |
| (291. DEG K) | 1250 | 82.5 | 84.1 | 85.5 | 86.3 | 87.9 | 89.5 | 90.9 | 93.8 | 96.0 | 99.8 | 101.3 | 99.9 | 97.2 | | | | | | 137.2 |
| HACT15.07 GM/M3 | 1600 | 82.9 | 84.2 | 86.5 | 87.0 | 88.3 | 89.0 | 91.1 | 93.2 | 96.9 | 99.8 | 99.5 | 99.6 | 96.4 | | | | | | 136.9 |
| (01507 KG/M3) | 2000 | 82.9 | 84.2 | 86.5 | 87.0 | 88.3 | 89.0 | 91.1 | 93.2 | 96.9 | 99.8 | 99.5 | 99.6 | 96.4 | | | | | | 136.9 |
| FREQ. SHIFT | 2500 | 82.8 | 84.8 | 86.3 | 87.8 | 89.4 | 90.0 | 91.4 | 94.1 | 97.6 | 97.7 | 97.6 | 98.0 | 94.5 | | | | | | 136.1 |
| JET | 3150 | 81.5 | 83.6 | 84.8 | 86.6 | 88.2 | 89.6 | 91.2 | 94.4 | 96.1 | 96.9 | 96.9 | 96.0 | 91.8 | | | | | | 136.1 |
| DIAMETER RATIO | 4000 | 81.4 | 83.2 | 85.2 | 86.7 | 88.2 | 89.4 | 90.8 | 93.7 | 95.7 | 95.8 | 95.0 | 95.7 | 92.7 | | | | | | 135.1 |
| OF/DW 1.00 | 5000 | 80.7 | 83.0 | 84.5 | 86.3 | 88.6 | 90.0 | 92.1 | 93.6 | 95.5 | 95.2 | 94.3 | 95.0 | 94.5 | | | | | | 134.6 |
| | 6300 | 79.7 | 81.5 | 83.1 | 85.6 | 88.2 | 89.5 | 91.7 | 92.9 | 95.3 | 94.5 | 93.4 | 94.8 | 95.0 | | | | | | 134.7 |
| | 8000 | 77.6 | 81.5 | 82.8 | 84.8 | 87.3 | 88.0 | 90.6 | 92.5 | 94.8 | 93.7 | 92.3 | 95.0 | 95.0 | | | | | | 134.5 |
| | 10000 | 75.2 | 78.5 | 80.8 | 83.1 | 85.6 | 87.0 | 89.9 | 92.2 | 92.1 | 91.2 | 91.7 | 93.2 | 93.5 | | | | | | 134.2 |
| | 12500 | 74.0 | 76.7 | 78.9 | 81.9 | 84.6 | 85.5 | 88.4 | 88.2 | 91.2 | 89.6 | 89.0 | 91.5 | 92.0 | | | | | | 132.8 |
| | 16000 | 70.9 | 73.4 | 76.3 | 78.4 | 82.7 | 82.8 | 86.4 | 86.4 | 88.2 | 88.2 | 88.0 | 91.5 | 92.0 | | | | | | 132.0 |
| | 20000 | 67.9 | 71.9 | 73.5 | 75.3 | 78.6 | 79.3 | 81.3 | 81.9 | 85.5 | 82.6 | 83.2 | 83.3 | 85.7 | | | | | | 130.3 |
| | 25000 | 65.1 | 69.8 | 72.2 | 74.2 | 77.0 | 77.4 | 80.1 | 80.1 | 81.2 | 79.5 | 79.0 | 82.9 | 80.9 | | | | | | 128.1 |
| | 31500 | 61.3 | 66.5 | 70.3 | 72.3 | 73.8 | 73.8 | 77.3 | 75.6 | 76.4 | 74.9 | 74.0 | 77.2 | 75.6 | | | | | | 126.6 |
| | 40000 | 55.0 | 59.8 | 63.6 | 63.5 | 63.9 | 65.7 | 69.2 | 67.0 | 69.1 | 67.3 | 60.4 | 67.8 | 67.3 | | | | | | 123.0 |
| | 50000 | 48.7 | 52.3 | 57.0 | 55.8 | 55.8 | 56.3 | 63.3 | 58.0 | 60.2 | 59.3 | 57.7 | 58.3 | 58.3 | | | | | | 121.4 |
| | 63000 | 45.4 | 47.8 | 54.5 | 51.0 | 50.2 | 50.6 | 62.5 | 51.9 | 53.7 | 57.3 | 55.5 | 50.5 | 54.6 | | | | | | 127.6 |
| OVERALL MEASURED | | 53.9 | 96.1 | 97.5 | 98.6 | 100.6 | 101.7 | 103.3 | 105.6 | 108.2 | 110.3 | 112.1 | 113.5 | 112.2 | | | | | | 149.5 |
| OVERALL CALCULATED | | 106.6 | 108.8 | 110.2 | 111.6 | 113.2 | 114.2 | 115.7 | 118.3 | 121.0 | 122.3 | 123.0 | 123.8 | 121.5 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 775 R ACOUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-154cm²(23.9in²)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | PWL |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|----|----|----|----|-------|
| | 50 | 77.9 | 80.9 | 82.2 | 82.5 | 83.8 | 85.2 | 87.6 | 89.2 | 90.9 | (2.27) | (2.44) | (2.62) | (2.79) | 0. | 0. | 0. | 0. | |
| NO EGA | 63 | 79.2 | 82.8 | 82.3 | 84.6 | 86.9 | 87.5 | 88.4 | 90.3 | 92.8 | 95.2 | 101.2 | 103.6 | 103.9 | | | | | 148.9 |
| RDG. NO. 0. | 80 | 81.3 | 82.8 | 84.5 | 85.3 | 86.4 | 87.3 | 88.7 | 91.6 | 94.5 | 99.6 | 104.3 | 106.8 | 105.5 | | | | | 150.6 |
| RADIAL 150. FT. | 100 | 81.4 | 82.9 | 84.4 | 85.2 | 87.0 | 88.9 | 89.5 | 92.4 | 95.1 | 100.4 | 104.2 | 106.6 | 104.9 | | | | | 151.8 |
| (46. M) | 125 | 82.5 | 84.5 | 85.2 | 86.5 | 87.9 | 89.2 | 90.9 | 93.3 | 96.5 | 100.8 | 103.5 | 104.9 | 103.0 | | | | | 151.7 |
| VEHICLE CELL41 | 160 | 83.5 | 85.5 | 86.3 | 87.8 | 89.4 | 90.2 | 91.6 | 94.3 | 97.5 | 101.8 | 103.8 | 104.0 | 100.5 | | | | | 151.0 |
| CONFIG NC58 | 200 | 84.8 | 86.3 | 87.3 | 88.1 | 89.7 | 91.3 | 92.7 | 95.6 | 97.8 | 101.7 | 103.1 | 101.8 | 99.1 | | | | | 151.0 |
| LOC C41 ANECH CH | 250 | 84.4 | 85.9 | 87.8 | 88.7 | 90.1 | 91.4 | 92.3 | 95.0 | 98.4 | 101.5 | 102.0 | 101.9 | 97.9 | | | | | 150.5 |
| DATE 06-16-76 | 315 | 84.5 | 87.0 | 87.3 | 88.3 | 90.9 | 92.3 | 92.9 | 95.1 | 98.8 | 101.6 | 101.3 | 101.5 | 98.3 | | | | | 150.2 |
| RUN CONFREPEATH | 400 | 84.8 | 86.1 | 88.3 | 88.9 | 90.2 | 91.8 | 93.5 | 96.1 | 98.8 | 100.4 | 100.6 | 100.0 | 96.8 | | | | | 149.5 |
| TAPE X07750 | 500 | 84.7 | 86.7 | 88.0 | 88.7 | 90.3 | 91.7 | 93.1 | 96.2 | 99.0 | 99.8 | 99.5 | 100.4 | 97.2 | | | | | 149.4 |
| BAR 29.3 HG | 630 | 83.5 | 85.5 | 86.8 | 88.6 | 90.2 | 91.5 | 93.2 | 96.0 | 99.5 | 99.6 | 99.3 | 99.9 | 96.5 | | | | | 149.4 |
| (99009. N/M2) | 800 | 83.4 | 85.2 | 87.2 | 88.7 | 90.8 | 91.4 | 92.8 | 95.7 | 97.7 | 97.8 | 97.0 | 97.6 | 94.7 | | | | | 147.9 |
| TAMD 67. DEG F | 1000 | 82.8 | 85.1 | 86.6 | 88.4 | 90.4 | 92.1 | 94.2 | 95.6 | 97.6 | 97.2 | 96.4 | 97.1 | 96.6 | | | | | 148.5 |
| (293. DEG K) | 1250 | 81.7 | 83.8 | 85.3 | 87.6 | 90.4 | 91.8 | 93.9 | 95.1 | 97.6 | 96.7 | 95.6 | 97.1 | 96.6 | | | | | 147.9 |
| TWET 65. DEG F | 1600 | 80.1 | 83.9 | 85.0 | 87.2 | 89.8 | 90.4 | 93.1 | 95.0 | 97.2 | 96.1 | 94.8 | 97.4 | 97.3 | | | | | 148.3 |
| (291. DEG K) | 2000 | 78.0 | 81.3 | 83.6 | 85.8 | 88.4 | 89.8 | 92.7 | 93.0 | 94.9 | 94.5 | 93.4 | 96.0 | 96.3 | | | | | 147.8 |
| HACT15-07 GM/M3 | 2500 | 77.4 | 80.1 | 82.3 | 85.2 | 88.0 | 88.9 | 91.8 | 91.5 | 94.5 | 93.0 | 92.4 | 94.9 | 95.4 | | | | | 147.5 |
| (.01507 KG/M3) | 3150 | 75.0 | 77.5 | 80.3 | 82.5 | 86.7 | 86.8 | 90.5 | 89.0 | 92.1 | 90.6 | 89.7 | 92.9 | 93.4 | | | | | 146.1 |
| FREQ. SHIFT | 4000 | 73.2 | 77.2 | 78.8 | 80.7 | 83.9 | 84.6 | 86.6 | 87.3 | 90.8 | 87.9 | 88.5 | 88.6 | 91.0 | | | | | 145.3 |
| JET 7 | 5000 | 72.0 | 76.8 | 79.1 | 81.1 | 83.9 | 84.4 | 86.6 | 87.3 | 90.8 | 87.9 | 88.5 | 88.6 | 91.0 | | | | | 143.6 |
| DIAMETER RATIO | 6300 | 70.6 | 75.8 | 79.6 | 80.2 | 82.0 | 83.1 | 86.5 | 86.9 | 88.1 | 86.4 | 85.9 | 89.9 | 87.9 | | | | | 143.6 |
| DF/DW 4.63 | 8000 | 67.3 | 72.1 | 75.9 | 75.8 | 76.2 | 78.0 | 81.5 | 80.0 | 81.4 | 79.6 | 78.7 | 80.1 | 79.3 | | | | | 140.9 |
| | 10000 | 65.5 | 69.0 | 73.8 | 72.5 | 72.6 | 73.0 | 80.1 | 74.8 | 76.8 | 77.0 | 76.1 | 74.5 | 75.1 | | | | | 139.9 |
| | 12500 | 68.5 | 70.9 | 77.6 | 74.1 | 73.3 | 73.7 | 85.6 | 75.0 | 76.9 | 80.4 | 78.6 | 73.6 | 77.8 | | | | | 136.3 |
| | 16000 | 95.6 | 97.8 | 99.3 | 100.6 | 102.5 | 103.7 | 105.5 | 107.5 | 110.1 | 112.2 | 113.8 | 115.1 | 113.5 | | | | | 134.7 |
| OVERALL CALCULATED | PND8 | 104.8 | 107.7 | 109.4 | 111.3 | 113.7 | 114.7 | 117.1 | 118.1 | 120.6 | 120.8 | 120.7 | 122.4 | 121.6 | | | | | 141.3 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
|---------------|------------|-------------------|
| 7 | 775 R | 45.7m(150ft.) ARC |

SIZE
FULL-.33m²(513in²)

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

| | | LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--|--|--|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. |
| | | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. |
| | | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. |
| | | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. |
| | | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. |
| | | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. |
| | | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. |
| | | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. |
| | | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. |
| | | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. |
| | | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. |
| | | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. |
| | | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. |
| | | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. |
| | | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. |
| | | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. |
| | | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. |
| | | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. |
| | | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. |
| | | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. |
| | | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. |
| | | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. |
| | | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. |
| | | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. |
| | | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. |
| | | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. |
| | | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. |
| | | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. |
| | | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. |
| | | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. |
| | | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. |
| | | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. |
| | | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. |
| | | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. |
| | | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. |
| | | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. |
| | | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. |
| | | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. |
| | | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. |
| | | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. |
| | | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. |
| | | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. |
| | | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. |
| | | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. |
| | | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. |
| | | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. |
| | | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. |
| | | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. |
| | | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. |
| | | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. |
| | | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. |
| | | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. |
| | | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. |
| | | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. |
| | | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. |
| | | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. |
| | | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. |
| | | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. |
| | | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. |
| | | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. |
| | | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. |
| | | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. |
| | | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. |
| | | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. |
| | | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. |
| | | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. |
| | | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. |
| | | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. |
| | | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. |
| | | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. |
| | | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. |
| | | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. |
| | | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. |
| | | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. |
| | | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. |
| | | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. |
| | | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. |
| | | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. |
| | | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. |
| | | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. |
| | | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. |
| | | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. |
| | | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. |
| | | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. |
| | | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. |
| | | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. |
| | | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. |
| | | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. |
| | | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. |
| | | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. |
| | | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. |
| | | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. |
| | | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. |
| | | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. |
| | | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. |
| | | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. |
| | | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. |
| | | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. |
| | | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. |
| | | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. | 10010. | 10020. | 10030. |

OVERALL CALCULATED 65.2 69.0 71.6 73.6 75.8 77.2 78.5 80.6 82.6 84.1 84.5 83.5 78.2
 PNOB 68.9 73.3 76.7 79.1 82.0 83.5 85.2 86.5 87.9 88.0 86.5 83.8 76.2

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST

FULL SCALE DATA REDUCTION PROGRAM

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (SP. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | PROC. DATE - MONTH 9 DAY 7 HR. 17.6 | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (SP. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | |
| | | INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| | | 0. | | | | | | | | | |

PROC. DATE - MONTH 9 DAY 7 HR. 17.0

| FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | |
| FREQ. (0.73) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | | | | |
| 50 54.2 58.6 61.4 62.7 64.2 65.4 67.7 69.4 70.9 74.4 78.8 78.9 76.3 | | | | | | | | | | | | | | | | | | | |
| SIDELINE 2400. FT. | | | | | | | | | | | | | | | | | | | |
| (731.52 M) | | | | | | | | | | | | | | | | | | | |
| 80 57.7 60.6 63.4 64.4 66.7 68.0 69.0 70.7 73.7 76.9 81.3 81.7 78.0 | | | | | | | | | | | | | | | | | | | |
| NFA (1. RPM | | | | | | | | | | | | | | | | | | | |
| 100 58.4 60.6 63.4 65.0 67.0 69.0 70.0 73.0 75.9 81.4 84.5 83.6 78.2 | | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| 125 58.9 62.0 63.7 66.5 68.2 70.2 71.7 74.0 76.9 81.4 83.7 83.5 78.3 | | | | | | | | | | | | | | | | | | | |
| NFK (1. RPM | | | | | | | | | | | | | | | | | | | |
| 160 50.2 62.9 65.1 67.6 69.1 71.4 72.4 75.1 78.3 82.2 83.5 83.0 78.0 | | | | | | | | | | | | | | | | | | | |
| (0. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| 200 62.1 65.1 67.3 68.8 70.6 72.1 73.3 75.8 78.8 81.9 81.4 81.4 76.7 | | | | | | | | | | | | | | | | | | | |
| NFD (7500. RPM | | | | | | | | | | | | | | | | | | | |
| 250 61.7 64.7 67.9 69.0 70.8 72.8 73.5 76.2 78.9 82.0 80.5 80.6 75.8 | | | | | | | | | | | | | | | | | | | |
| (785. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| 315 61.2 64.5 66.3 69.4 71.4 72.9 73.9 75.9 79.3 81.4 80.8 81.0 76.3 | | | | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | | | | | | | |
| 400 61.6 64.5 67.3 68.6 71.2 72.5 74.4 77.1 79.5 80.6 79.6 80.8 74.7 | | | | | | | | | | | | | | | | | | | |
| 500 60.9 63.7 66.3 68.6 70.5 72.2 74.2 76.6 79.3 79.5 79.5 80.2 72.6 | | | | | | | | | | | | | | | | | | | |
| WF/M 4.63 | | | | | | | | | | | | | | | | | | | |
| 630 61.0 63.8 67.0 68.9 71.3 72.1 73.8 76.7 79.3 79.2 79.6 79.3 69.8 | | | | | | | | | | | | | | | | | | | |
| VEHICLE | | | | | | | | | | | | | | | | | | | |
| CELL41 | | | | | | | | | | | | | | | | | | | |
| 800 58.9 61.9 64.9 67.2 69.5 71.3 73.0 76.4 77.9 77.8 75.7 75.7 65.6 | | | | | | | | | | | | | | | | | | | |
| CONFIG NC58 | | | | | | | | | | | | | | | | | | | |
| 1000 57.4 61.2 63.8 67.3 69.0 71.1 72.5 74.8 75.8 76.3 76.1 73.0 63.4 | | | | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | | | | | |
| 1250 55.0 59.9 62.5 65.6 68.5 70.6 72.5 73.6 75.7 73.8 73.9 70.9 60.8 | | | | | | | | | | | | | | | | | | | |
| DATE 06-16-76 | | | | | | | | | | | | | | | | | | | |
| 2000 48.5 55.5 59.0 62.1 65.7 66.0 69.2 70.6 71.5 69.2 67.0 64.2 51.7 | | | | | | | | | | | | | | | | | | | |
| RUN CONFREPEATH | | | | | | | | | | | | | | | | | | | |
| 2500 43.4 50.6 55.4 59.0 62.2 63.3 65.7 66.4 65.9 64.4 61.6 58.5 43.9 | | | | | | | | | | | | | | | | | | | |
| TAPE X07760 | | | | | | | | | | | | | | | | | | | |
| 3150 37.1 45.2 50.2 55.0 58.3 59.5 62.1 61.3 62.9 58.1 54.7 50.9 33.2 | | | | | | | | | | | | | | | | | | | |
| FFAN TIP SPEED | | | | | | | | | | | | | | | | | | | |
| 4000 26.7 36.4 42.1 46.9 52.4 52.4 55.7 53.2 56.1 48.2 44.0 37.2 15.0 | | | | | | | | | | | | | | | | | | | |
| FT/SEC | | | | | | | | | | | | | | | | | | | |
| 5000 20.3 31.2 37.2 41.7 46.1 47.6 48.4 48.0 48.4 42.0 38.4 28.1 4.2 | | | | | | | | | | | | | | | | | | | |
| 6300 5.3 18.6 27.2 32.7 36.9 37.5 39.3 37.2 36.5 29.1 22.0 11.3 | | | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | | | |
| PND8 | | | | | | | | | | | | | | | | | | | |
| 71.5 74.7 77.2 79.4 81.5 83.2 84.7 87.1 89.6 91.8 92.9 92.7 87.5 | | | | | | | | | | | | | | | | | | | |
| 75.8 79.8 82.9 85.7 88.6 90.1 92.0 93.7 95.6 96.3 96.1 95.7 88.8 | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 7 | 776 R | 731.5m(2400ft.) | FULL - 33m ² (513in ²) |

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS)
 ANGLES FROM INLET IN DEGREES (AND RADIAN)
 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. C. 0. PUL

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | C. | 0. | PUL |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) |
| 63 | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | |
| 100 | 80.9 | 89.7 | 87.7 | 89.5 | 91.0 | 90.7 | 91.0 | 92.2 | 93.2 | 94.7 | 96.2 | 98.1 | 100.4 | | | | 135.6 |
| 125 | 20.1 | 83.9 | 85.1 | 87.7 | 89.5 | 91.4 | 91.7 | 93.2 | 91.6 | 93.4 | 99.6 | 101.6 | 102.4 | | | | 136.5 |
| 160 | 79.9 | 63.4 | 86.4 | 86.5 | 87.3 | 87.4 | 87.5 | 89.5 | 91.7 | 96.2 | 101.7 | 103.1 | 104.7 | | | | 137.9 |
| 200 | 83.5 | 83.5 | 84.5 | 87.1 | 87.7 | 88.8 | 89.9 | 92.3 | 95.9 | 98.3 | 103.3 | 107.5 | 108.5 | | | | 141.1 |
| 250 | 82.1 | 84.8 | 86.6 | 87.1 | 88.0 | 89.6 | 92.0 | 94.1 | 96.1 | 101.4 | 107.6 | 109.3 | 110.1 | | | | 143.6 |
| 315 | 83.7 | 87.9 | 86.4 | 88.5 | 90.8 | 91.9 | 93.1 | 95.0 | 97.9 | 103.3 | 109.2 | 112.4 | 111.9 | | | | 145.6 |
| 400 | 86.2 | 87.0 | 89.5 | 89.3 | 90.8 | 91.7 | 93.3 | 96.5 | 100.2 | 108.5 | 111.7 | 114.2 | 112.7 | | | | 147.5 |
| 500 | 86.3 | 86.8 | 89.0 | 89.6 | 91.2 | 93.0 | 93.7 | 96.8 | 101.0 | 108.4 | 113.1 | 115.0 | 113.3 | | | | 148.5 |
| 630 | 87.4 | 88.9 | 89.4 | 91.2 | 93.0 | 94.4 | 96.0 | 98.7 | 102.4 | 108.5 | 112.7 | 115.1 | 113.4 | | | | 148.6 |
| 800 | 89.6 | 90.4 | 90.7 | 92.4 | 94.0 | 95.2 | 96.8 | 99.9 | 104.2 | 109.2 | 112.7 | 114.9 | 113.7 | | | | 148.8 |
| 1000 | 91.5 | 92.7 | 93.7 | 94.5 | 95.1 | 96.0 | 97.9 | 100.8 | 104.7 | 109.3 | 111.3 | 113.7 | 113.5 | | | | 148.2 |
| 1250 | 91.0 | 92.3 | 94.3 | 94.6 | 95.7 | 97.1 | 98.2 | 101.9 | 105.8 | 108.9 | 110.4 | 114.8 | 113.8 | | | | 148.5 |
| 1600 | 91.4 | 92.7 | 92.9 | 94.7 | 96.3 | 97.7 | 98.6 | 101.5 | 106.4 | 109.3 | 111.0 | 114.4 | 113.4 | | | | 148.5 |
| 2000 | 91.9 | 93.0 | 94.5 | 95.0 | 96.6 | 97.7 | 99.5 | 103.0 | 106.7 | 108.8 | 111.0 | 114.4 | 112.7 | | | | 148.5 |
| 2500 | 92.3 | 92.6 | 94.3 | 95.1 | 97.2 | 97.3 | 99.5 | 103.1 | 106.8 | 107.9 | 111.6 | 114.0 | 110.8 | | | | 148.2 |
| 3150 | 92.3 | 93.3 | 94.6 | 95.6 | 97.2 | 98.0 | 99.7 | 103.8 | 107.6 | 108.7 | 112.9 | 113.3 | 109.0 | | | | 148.5 |
| 4000 | 91.3 | 92.3 | 94.1 | 94.9 | 97.0 | 97.6 | 99.2 | 103.9 | 105.9 | 107.9 | 111.4 | 113.6 | 106.8 | | | | 147.0 |
| 5000 | 91.1 | 93.0 | 94.0 | 95.0 | 96.6 | 98.0 | 99.8 | 103.8 | 106.5 | 107.3 | 111.0 | 109.7 | 106.5 | | | | 146.8 |
| 6300 | 90.4 | 92.5 | 93.6 | 95.3 | 97.2 | 98.8 | 100.7 | 103.1 | 106.1 | 106.7 | 110.1 | 109.3 | 106.3 | | | | 146.5 |
| 8000 | 89.7 | 92.5 | 93.9 | 95.4 | 97.7 | 98.5 | 101.2 | 103.1 | 105.4 | 106.7 | 108.4 | 107.5 | 106.3 | | | | 146.0 |
| 10000 | 87.6 | 91.2 | 93.0 | 94.5 | 97.3 | 97.7 | 99.8 | 102.5 | 105.0 | 105.2 | 107.6 | 107.5 | 105.2 | | | | 145.5 |
| 12500 | 85.2 | 89.7 | 91.3 | 93.5 | 95.3 | 96.5 | 99.8 | 100.4 | 102.8 | 103.0 | 105.4 | 106.0 | 104.0 | | | | 144.2 |
| 16000 | 83.7 | 87.7 | 89.9 | 92.1 | 94.6 | 95.5 | 98.4 | 98.6 | 101.6 | 101.9 | 103.2 | 104.5 | 103.2 | | | | 143.4 |
| 20000 | 80.9 | 85.1 | 87.0 | 89.1 | 93.1 | 93.2 | 96.4 | 95.2 | 98.7 | 97.7 | 99.6 | 101.1 | 100.2 | | | | 141.5 |
| 25000 | 78.3 | 82.6 | 84.4 | 86.0 | 89.0 | 89.7 | 91.7 | 92.6 | 96.2 | 94.2 | 96.3 | 96.7 | 96.8 | | | | 139.9 |
| 31500 | 75.2 | 80.4 | 83.3 | 84.5 | 87.3 | 87.3 | 90.5 | 89.8 | 93.1 | 91.6 | 94.3 | 96.3 | 94.8 | | | | 139.7 |
| 40000 | 70.4 | 75.6 | 79.4 | 80.0 | 82.1 | 83.1 | 85.8 | 83.9 | 88.6 | 89.1 | 91.7 | 92.0 | 91.1 | | | | 139.0 |
| 50000 | 64.3 | 69.0 | 73.5 | 73.4 | 73.5 | 77.2 | 78.4 | 77.1 | 82.1 | 83.9 | 86.9 | 85.8 | 83.5 | | | | 137.2 |
| 63000 | 58.7 | 61.4 | 67.3 | 69.2 | 66.2 | 71.2 | 71.7 | 69.7 | 76.1 | 79.0 | 81.4 | 77.6 | 76.9 | | | | 137.4 |
| 80000 | 55.1 | 57.6 | 64.2 | 60.8 | 60.6 | 69.2 | 69.9 | 62.5 | 72.8 | 77.2 | 77.2 | 73.3 | 72.0 | | | | 143.4 |
| OVERALL MEASURED | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 102.6 | 104.4 | 105.6 | 106.9 | 108.7 | 109.7 | 111.6 | 114.4 | 117.7 | 120.3 | 123.7 | 125.6 | 124.1 | | | | 160.5 |
| PNDB | 115.6 | 117.1 | 118.3 | 119.4 | 121.1 | 122.0 | 123.7 | 127.2 | 130.6 | 132.6 | 130.3 | 137.4 | 135.1 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 777R ACUSTIC RANGE 12.2m(40ft.) ARC SIZE MODEL-154cm²(23.9in²)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| PROC. DATE - MONTH 9 DAY 7 HR. 17.6 | | | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIANIS) | | | | | | | | | | | | | | | |
| FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) (0.) PWL | | | | | | | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0.) (0.) (0.) (0.) | | | | | | | | | | | | | | | |
| RDG. NO. 0. | 50 | 83.9 | 86.7 | 88.4 | 89.0 | 89.8 | 91.4 | 93.8 | 96.0 | 97.9 | 103.2 | 109.4 | 111.6 | 111.9 | 156.9 |
| RADIAL 150. FT. | 63 | 85.5 | 89.8 | 88.3 | 90.3 | 92.7 | 93.8 | 94.9 | 96.8 | 99.8 | 105.1 | 111.0 | 114.2 | 113.8 | 158.9 |
| (46. M) | 80 | 88.0 | 88.8 | 90.9 | 91.4 | 92.7 | 93.5 | 95.2 | 98.3 | 102.1 | 108.4 | 113.6 | 116.0 | 114.5 | 160.8 |
| VEHICLE CELL41 | 100 | 88.1 | 88.6 | 90.9 | 91.4 | 93.0 | 94.9 | 95.5 | 98.7 | 102.9 | 110.2 | 114.9 | 116.8 | 115.1 | 161.8 |
| CONFIG NC58 | 125 | 89.2 | 90.7 | 91.2 | 93.0 | 94.9 | 96.2 | 97.9 | 100.5 | 104.2 | 110.3 | 114.5 | 116.9 | 115.2 | 161.9 |
| LGC C41 ANECH CH | 160 | 91.5 | 92.2 | 92.5 | 94.3 | 95.9 | 97.0 | 97.8 | 99.7 | 102.6 | 106.6 | 111.2 | 113.1 | 115.5 | 162.1 |
| DATE 06-16-76 | 200 | 93.3 | 94.6 | 95.6 | 95.9 | 97.0 | 97.6 | 98.9 | 100.1 | 103.7 | 107.7 | 110.8 | 112.2 | 116.6 | 161.5 |
| RUN CONF7REPEATH | 315 | 93.2 | 94.5 | 94.8 | 96.6 | 98.2 | 99.5 | 100.4 | 103.3 | 108.3 | 111.1 | 112.8 | 116.2 | 115.3 | 161.8 |
| TAPE X0770 | 400 | 93.8 | 94.8 | 96.3 | 96.9 | 98.5 | 99.6 | 101.5 | 104.9 | 108.6 | 110.7 | 112.9 | 116.3 | 114.6 | 161.8 |
| BAR 29.3 HG | 500 | 94.2 | 94.5 | 96.2 | 97.0 | 99.1 | 99.7 | 101.3 | 105.0 | 108.7 | 109.8 | 113.5 | 115.9 | 112.7 | 161.6 |
| (98874. N/M2) | 630 | 94.2 | 95.2 | 96.5 | 97.5 | 99.1 | 100.0 | 101.6 | 105.8 | 109.5 | 110.6 | 114.8 | 115.2 | 111.0 | 161.8 |
| TAMB 71. DEG F | 800 | 93.2 | 94.3 | 96.1 | 96.8 | 98.9 | 99.5 | 101.2 | 105.8 | 109.5 | 110.6 | 114.8 | 115.2 | 111.0 | 161.8 |
| (295. DEG K) | 1000 | 93.1 | 94.9 | 96.0 | 97.5 | 98.6 | 99.9 | 101.8 | 105.7 | 108.5 | 109.3 | 113.0 | 111.7 | 108.4 | 160.1 |
| TWET 68. DEG F | 1250 | 92.5 | 94.6 | 95.6 | 97.4 | 99.2 | 100.8 | 102.7 | 105.1 | 108.1 | 108.7 | 112.2 | 111.3 | 108.3 | 159.8 |
| (293. DEG K) | 1600 | 91.9 | 94.8 | 96.1 | 97.6 | 99.9 | 100.8 | 103.4 | 105.3 | 107.6 | 108.9 | 110.6 | 109.8 | 108.5 | 159.3 |
| HACT16.56 GM/M3 | 2000 | 90.3 | 93.7 | 95.5 | 97.0 | 99.8 | 100.2 | 102.3 | 105.0 | 107.5 | 107.6 | 110.0 | 109.9 | 107.7 | 153.8 |
| (.01656 KG/M3) | 2500 | 88.0 | 92.5 | 94.1 | 96.3 | 98.1 | 99.2 | 102.6 | 103.2 | 105.6 | 105.8 | 108.2 | 108.8 | 106.7 | 157.5 |
| FREQ. SHIFT | 3150 | 87.1 | 91.1 | 92.1 | 95.4 | 98.0 | 98.8 | 101.7 | 102.0 | 105.0 | 104.2 | 106.6 | 107.9 | 106.6 | 156.7 |
| JET 7 | 4000 | 84.9 | 89.2 | 91.0 | 93.2 | 97.2 | 97.3 | 100.4 | 99.2 | 102.8 | 101.8 | 103.7 | 105.1 | 104.3 | 154.8 |
| DIAMETER RATIO | 5000 | 83.7 | 88.1 | 89.7 | 91.3 | 94.3 | 95.0 | 97.1 | 97.9 | 101.5 | 99.6 | 103.7 | 102.1 | 102.2 | 153.2 |
| DF/DH 4.63 | 6300 | 82.1 | 87.4 | 90.2 | 91.5 | 94.3 | 94.2 | 97.4 | 96.7 | 100.0 | 98.5 | 101.3 | 103.2 | 101.7 | 153.0 |
| | 8000 | 79.7 | 84.9 | 88.6 | 89.2 | 91.3 | 92.4 | 95.1 | 93.2 | 97.9 | 98.4 | 101.0 | 101.3 | 100.4 | 152.3 |
| | 10000 | 76.6 | 81.3 | 85.9 | 85.7 | 86.1 | 89.5 | 90.7 | 89.4 | 94.4 | 96.2 | 99.2 | 98.1 | 95.8 | 150.5 |
| | 12500 | 75.5 | 78.2 | 84.1 | 82.9 | 83.0 | 88.5 | 86.5 | 86.5 | 92.9 | 95.8 | 98.2 | 94.3 | 93.7 | 150.7 |
| | 16000 | 78.2 | 80.7 | 87.4 | 83.9 | 83.7 | 92.3 | 93.0 | 85.6 | 95.9 | 100.4 | 100.3 | 96.5 | 95.1 | 156.7 |
| OVERALL CALCULATED | PNDB | 104.6 | 106.3 | 107.7 | 108.9 | 110.9 | 111.9 | 113.9 | 116.5 | 119.8 | 122.3 | 125.6 | 127.4 | 125.9 | 173.7 |
| | | 114.3 | 117.4 | 119.0 | 120.7 | 122.9 | 123.8 | 126.3 | 127.7 | 130.8 | 131.7 | 134.5 | 135.6 | 134.0 | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 777 R ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|---|
| 7 | 777 R | 731.5m(2400ft.) | FULL - 33m ² (5131n ²) |

| MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|----------|-----|---------|---------|---|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|------------------------------|
| FREQ. | NO. EGA | RDG. NO. | G. | RADIOAL | 40. FT. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 10. | 20. | 30. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | 10000 | 12500 | 16000 | 20000 | 25000 | 31500 | 40000 | 50000 | 63000 | 80000 | 100000 | 125000 | 160000 | 200000 | 250000 | 315000 | 400000 | 500000 | 630000 | 800000 | 1000000 | 1250000 | 1600000 | 2000000 | 2500000 | 3150000 | 4000000 | 5000000 | 6300000 | 8000000 | 10000000 | 12500000 | 16000000 | 20000000 | 25000000 | 31500000 | 40000000 | 50000000 | 63000000 | 80000000 | 100000000 | 125000000 | 160000000 | 200000000 | 250000000 | 315000000 | 400000000 | 500000000 | 630000000 | 800000000 | 1000000000 | 1250000000 | 1600000000 | 2000000000 | 2500000000 | 3150000000 | 4000000000 | 5000000000 | 6300000000 | 8000000000 | 10000000000 | 12500000000 | 16000000000 | 20000000000 | 25000000000 | 31500000000 | 40000000000 | 50000000000 | 63000000000 | 80000000000 | 100000000000 | 125000000000 | 160000000000 | 200000000000 | 250000000000 | 315000000000 | 400000000000 | 500000000000 | 630000000000 | 800000000000 | 1000000000000 | 1250000000000 | 1600000000000 | 2000000000000 | 2500000000000 | 3150000000000 | 4000000000000 | 5000000000000 | 6300000000000 | 8000000000000 | 10000000000000 | 12500000000000 | 16000000000000 | 20000000000000 | 25000000000000 | 31500000000000 | 40000000000000 | 50000000000000 | 63000000000000 | 80000000000000 | 100000000000000 | 125000000000000 | 160000000000000 | 200000000000000 | 250000000000000 | 315000000000000 | 400000000000000 | 500000000000000 | 630000000000000 | 800000000000000 | 1000000000000000 | 1250000000000000 | 1600000000000000 | 2000000000000000 | 2500000000000000 | 3150000000000000 | 4000000000000000 | 5000000000000000 | 6300000000000000 | 8000000000000000 | 10000000000000000 | 12500000000000000 | 16000000000000000 | 20000000000000000 | 25000000000000000 | 31500000000000000 | 40000000000000000 | 50000000000000000 | 63000000000000000 | 80000000000000000 | 100000000000000000 | 125000000000000000 | 160000000000000000 | 200000000000000000 | 250000000000000000 | 315000000000000000 | 400000000000000000 | 500000000000000000 | 630000000000000000 | 800000000000000000 | 1000000000000000000 | 1250000000000000000 | 1600000000000000000 | 2000000000000000000 | 2500000000000000000 | 3150000000000000000 | 4000000000000000000 | 5000000000000000000 | 6300000000000000000 | 8000000000000000000 | 10000000000000000000 | 12500000000000000000 | 16000000000000000000 | 20000000000000000000 | 25000000000000000000 | 31500000000000000000 | 40000000000000000000 | 50000000000000000000 | 63000000000000000000 | 80000000000000000000 | 100000000000000000000 | 125000000000000000000 | 160000000000000000000 | 200000000000000000000 | 250000000000000000000 | 315000000000000000000 | 400000000000000000000 | 500000000000000000000 | 630000000000000000000 | 800000000000000000000 | 1000000000000000000000 | 1250000000000000000000 | 1600000000000000000000 | 2000000000000000000000 | 2500000000000000000000 | 3150000000000000000000 | 4000000000000000000000 | 5000000000000000000000 | 6300000000000000000000 | 8000000000000000000000 | 10000000000000000000000 | 12500000000000000000000 | 16000000000000000000000 | 20000000000000000000000 | 25000000000000000000000 | 31500000000000000000000 | 40000000000000000000000 | 50000000000000000000000 | 63000000000000000000000 | 80000000000000000000000 | 100000000000000000000000 | 125000000000000000000000 | 160000000000000000000000 | 200000000000000000000000 | 250000000000000000000000 | 315000000000000000000000 | 400000000000000000000000 | 500000000000000000000000 | 630000000000000000000000 | 800000000000000000000000 | 1000000000000000000000000 | 1250000000000000000000000 | 1600000000000000000000000 | 2000000000000000000000000 | 2500000000000000000000000 | 3150000000000000000000000 | 4000000000000000000000000 | 5000000000000000000000000 | 6300000000000000000000000 | 8000000000000000000000000 | 10000000000000000000000000 | 12500000000000000000000000 | 16000000000000000000000000 | 20000000000000000000000000 | 25000000000000000000000000 | 31500000000000000000000000 | 40000000000000000000000000 | 50000000000000000000000000 | 63000000000000000000000000 | 80000000000000000000000000 | 100000000000000000000000000 | 125000000000000000000000000 | 160000000000000000000000000 | 200000000000000000000000000 | 250000000000000000000000000 | 315000000000000000000000000 | 400000000000000000000000000 | 500000000000000000000000000 | 630000000000000000000000000 | 800000000000000000000000000 | 1000000000000000000000000000 | 1250000000000000000000000000 | 1600000000000000000000000000 | 2000000000000000000000000000 | 2500000000000000000000000000 | 3150000000000000000000000000 | 4000000000000000000000000000 | 5000000000000000000000000000 | 6300000000000000000000000000 | 8000000000000000000000000000 | 10000000000000000000000000000 | 12500000000000000000000000000 | 16000000000000000000000000000 | 20000000000000000000000000000 | 25000000000000000000000000000 | 31500000000000000000000000000 | 40000000000000000000000000000 | 50000000000000000000000000000 | 63000000000000000000000000000 | 80000000000000000000000000000 | 100000000000000000000000000000 | 125000000000000000000000000000 | 160000000000000000000000000000 | 200000000000000000000000000000 | 250000000000000000000000000000 | 315000000000000000000000000000 | 400000000000000000000000000000 | 500000000000000000000000000000 | 630000000000000000000000000000 | 800000000000000000000000000000 | 1000000000000000000000000000000 | 1250000000000000000000000000000 | 1600000000000000000000000000000 | 2000000000000000000000000000000 | 2500000000000000000000000000000 | 3150000000000000000000000000000 | 4000000000000000000000000000000 | 5000000000000000000000000000000 | 6300000000000000000000000000000 | 8000000000000000000000000000000 | 10000000000000000000000000000000 | 12500000000000000000000000000000 | 16000000000000000000000000000000 | 20000000000000000000000000000000 | 25000000000000000000000000000000 | 31500000000000000000000000000000 | 40000000000000000000000000000000 | 50000000000000000000000000000000 | 63000000000000000000000000000000 | 80000000000000000000000000000000 | 100000000000000000000000000000000 | 125000000000000000000000000000000 | 160000000000000000000000000000000 | 200000000000000000000000000000000 | 250000000000000000000000000000000 | 315000000000000000000000000000000 | 400000000000000000000000000000000 | 500000000000000000000000000000000 | 630000000000000000000000000000000 | 800000000000000000000000000000000 | 1000000000000000000000000000000000 | 1250000000000000000000000000000000 | 1600000000000000000000000000000000 | 2000000000000000000000000000000000 | 2500000000000000000000000000000000 | 3150000000000000000000000000000000 | 4000000000000000000000000000000000 | 5000000000000000000000000000000000 | 6300000000000000000000000000000000 | 8000000000000000000000000000000000 | 10000000000000000000000000000000000 | 12500000000000000000000000000000000 | 16000000000000000000000000000000000 | 20000000000000000000000000000000000 | 25000000000000000000000000000000000 | 31500000000000000000000000000000000 | 40000000000000000000000000000000000 | 50000000000000000000000000000000000 | 63000000000000000000000000000000000 | 80000000000000000000000000000000000 | 100000000000000000000000000000000000 | 125000000000000000000000000000000000 | 160000000000000000000000000000000000 | 200000000000000000000000000000000000 | 250000000000000000000000000000000000 | 315000000000000000000000000000000000 | 400000000000000000000000000000000000 | 500000000000000000000000000000000000 | 630000000000000000000000000000000000 | 800000000000000000000000000000000000 | 1000000000000000000000000000000000000 | 1250000000000000000000000000000000000 | 1600000000000000000000000000000000000 | 2000000000000000000000000000000000000 | 2500000000000000000000000000000000000 | 3150000000000000000000000000000000000 | 4000000000000000000000000000000000000 | 5000000000000000000000000000000000000 | 6300000000000000000000000000000000000 | 8000000000000000000000000000000000000 | 10000000000000000000000000000000000000 | 12500000000000000000000000000000000000 | 16000000000000000000000000000000000000 | 20000000000000000000000000000000000000 | 25000000000000000000000000000000000000 | 31500000000000000000000000000000000000 | 40000000000000000000000000000000000000 | 50000000000000000000000000000000000000 | 63000000000000000000000000000000000000 | 80000000000000000000000000000000000000 | 100000000000000000000000000000000000000 | 125000000000000000000000000000000000000 | 160000000000000000000000000000000000000 | 200000000000000000000000000000000000000 | 250000000000000000000000000000000000000 | 315000000000000000000000000000000000000 | 400000000000000000000000000000000000000 | 500000000000000000000000000000000000000 | 630000000000000000000000000000000000000 | 800000000000000000000000000000000000000 | 1000000000000000000000000000000000000000 | 1250000000000000000000000000000000000000 | 1600000000000000000000000000000000000000 | 2000000000000000000000000000000000000000 | 2500000000000000000000000000000000000000 | 3150000000000000000000000000000000000000 | 4000000000000000000000000000000000000000 | 5000000000000000000000000000000000000000 | 6300000000000000000000000000000000000000 | 8000000000000000000000000000000000000000 | 100 | 12500000000000000000000000000000000000000 | 16000000000000000000000000000000000000000 | 200 | 25000000000000000000000000000000000000000 | 31500000000000000000000000000000000000000 | 400 | 500 | 63000000000000000000000000000000000000000 | 800 | 1000 | 125000000000000000000000000000000000000000 | 1600 | 2000 | 2500 | 315000000000000000000000000000000000000000 | 4000 | 5000 | 6300 | 8000 | 100 | 12500 | 16000 | 200 | 25000 | 31500 | 400 | 500 | 63000 | 800 | 1000 | 125000 | 1600 | 2000 | 2500 | 315000 | 4000 | 5000 | 6300 | 8000 | 1000000000000000000000000000 |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| | | |
|---------------|------------|------------------|
| CONFIGURATION | TEST POINT | ACOUSTIC RANGE |
| 7 | 778 R | 12.2m(40ft.) ARC |

SIZE
MODEL-154cm²(23.9in²)

FULL SCALE DATA REDUCTION PROGRAM
FULL SIZE SOUND PRESSURE LEVELS

| | PROC. DATE - MONTH 9 DAY 7 HR. 17.6 | | | | | | | | | | U. P.dL | | | | | | | | | |
|--------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | 3. 0. 0.) (0.) (0.) (0.) | | | | | | | | | |
| RDG. NO. | SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | | | | |
| | INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | |
| RADIAL (150. FT.) | ANGLES FROM INLET | | | | | | | | | | | | | | | | | | | |
| | (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (0.) (0.) (0.) | | | | | | | | | | | | | | | | | | | |
| VEHICLE | LEVELS | | | | | | | | | | | | | | | | | | | |
| | 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200. 210. 220. 230. 240. | | | | | | | | | | | | | | | | | | | |
| NO EGA | 50 | 55.6 | 58.4 | 60.9 | 63.4 | 65.9 | 68.4 | 70.9 | 73.4 | 75.9 | 78.4 | 80.9 | 83.4 | 85.9 | 88.4 | 90.9 | 93.4 | 95.9 | 98.4 | 100.9 |
| RDG. NO. | 63 | 27.2 | 31.5 | 35.8 | 39.1 | 42.4 | 45.7 | 49.0 | 52.3 | 55.6 | 58.9 | 62.2 | 65.5 | 68.8 | 72.1 | 75.4 | 78.7 | 82.0 | 85.3 | 88.6 |
| U. | 50 | 89.3 | 90.5 | 92.3 | 93.1 | 94.4 | 95.6 | 96.7 | 97.8 | 98.8 | 99.8 | 100.8 | 101.8 | 102.8 | 103.8 | 104.8 | 105.8 | 106.8 | 107.8 | 108.8 |
| RADIAL (150. FT.) | 130 | 90.1 | 90.6 | 92.6 | 93.4 | 94.5 | 95.6 | 96.6 | 97.5 | 98.4 | 99.3 | 100.2 | 101.1 | 102.0 | 102.9 | 103.8 | 104.7 | 105.6 | 106.5 | 107.4 |
| (40. M) | 125 | 91.5 | 92.5 | 93.5 | 94.5 | 95.5 | 96.5 | 97.5 | 98.5 | 99.5 | 100.5 | 101.5 | 102.5 | 103.5 | 104.5 | 105.5 | 106.5 | 107.5 | 108.5 | 109.5 |
| VEHICLE | 160 | 94.0 | 94.0 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| CELL 41 | 200 | 96.8 | 97.3 | 97.8 | 98.3 | 98.8 | 99.3 | 99.8 | 100.3 | 100.8 | 101.3 | 101.8 | 102.3 | 102.8 | 103.3 | 103.8 | 104.3 | 104.8 | 105.3 | 105.8 |
| LOC C41 ANECH CH | 250 | 96.1 | 97.7 | 99.2 | 99.0 | 100.1 | 101.2 | 102.3 | 103.4 | 104.5 | 105.6 | 106.7 | 107.8 | 108.9 | 110.0 | 111.1 | 112.2 | 113.3 | 114.4 | 115.5 |
| DATE 06-16-76 | 315 | 96.7 | 97.0 | 97.0 | 98.8 | 100.2 | 91.8 | 102.7 | 103.8 | 104.9 | 106.0 | 107.1 | 108.2 | 109.3 | 110.4 | 111.5 | 112.6 | 113.7 | 114.8 | 115.9 |
| RUN CONFREPEATH | 400 | 98.3 | 98.3 | 99.8 | 99.4 | 100.2 | 91.3 | 103.5 | 104.6 | 105.7 | 106.8 | 107.9 | 109.0 | 110.1 | 111.2 | 112.3 | 113.4 | 114.5 | 115.6 | 116.7 |
| TAPE X07780 | 500 | 99.9 | 99.7 | 99.7 | 100.0 | 100.8 | 92.0 | 104.1 | 105.2 | 106.3 | 107.4 | 108.5 | 109.6 | 110.7 | 111.8 | 112.9 | 114.0 | 115.1 | 116.2 | 117.3 |
| BAR 29.3 HG | 630 | 100.7 | 100.7 | 101.5 | 101.8 | 101.6 | 92.0 | 104.1 | 105.2 | 106.3 | 107.4 | 108.5 | 109.6 | 110.7 | 111.8 | 112.9 | 114.0 | 115.1 | 116.2 | 117.3 |
| (98874. N/M2) | 800 | 98.2 | 99.0 | 100.6 | 101.1 | 101.6 | 92.0 | 104.1 | 105.2 | 106.3 | 107.4 | 108.5 | 109.6 | 110.7 | 111.8 | 112.9 | 114.0 | 115.1 | 116.2 | 117.3 |
| TAMB 71. DEG F | 1000 | 97.1 | 98.9 | 99.7 | 100.7 | 102.1 | 93.7 | 104.3 | 105.8 | 107.3 | 108.8 | 110.3 | 111.8 | 113.3 | 114.8 | 116.3 | 117.8 | 119.3 | 120.8 | 122.3 |
| (295. DEG K) | 1250 | 96.5 | 97.5 | 99.9 | 101.1 | 102.2 | 94.1 | 104.7 | 106.2 | 107.7 | 109.2 | 110.7 | 112.2 | 113.7 | 115.2 | 116.7 | 118.2 | 119.7 | 121.2 | 122.7 |
| TWET 68. DEG F | 1600 | 95.4 | 97.3 | 98.3 | 101.1 | 103.2 | 94.0 | 105.9 | 108.1 | 110.3 | 112.5 | 114.7 | 116.9 | 119.1 | 121.3 | 123.5 | 125.7 | 127.9 | 130.1 | 132.3 |
| (293. DEG K) | 2000 | 94.1 | 96.2 | 97.9 | 99.8 | 101.4 | 92.8 | 105.4 | 107.7 | 109.4 | 111.1 | 112.8 | 114.5 | 116.2 | 117.9 | 119.6 | 121.3 | 123.0 | 124.7 | 126.4 |
| HACT16.39 GM/M3 | 2500 | 92.3 | 96.5 | 97.9 | 99.8 | 101.4 | 92.8 | 105.4 | 107.7 | 109.4 | 111.1 | 112.8 | 114.5 | 116.2 | 117.9 | 119.6 | 121.3 | 123.0 | 124.7 | 126.4 |
| (.01639 KG/M3) | 3150 | 90.6 | 95.6 | 97.0 | 99.7 | 101.5 | 91.6 | 105.0 | 107.5 | 109.2 | 110.9 | 112.6 | 114.3 | 116.0 | 117.7 | 119.4 | 121.1 | 122.8 | 124.5 | 126.2 |
| FREQ. SHIFT | 4000 | 88.9 | 93.4 | 95.8 | 96.9 | 100.7 | 90.3 | 103.2 | 105.5 | 107.8 | 110.1 | 112.4 | 114.7 | 117.0 | 119.3 | 121.6 | 123.9 | 126.2 | 128.5 | 130.8 |
| JET | 5000 | 37.2 | 92.2 | 93.7 | 96.1 | 98.3 | 88.0 | 100.9 | 103.2 | 105.5 | 107.8 | 110.1 | 112.4 | 114.7 | 117.0 | 119.3 | 121.6 | 123.9 | 126.2 | 128.5 |
| DIAMETER RATIO | 6300 | 85.9 | 91.4 | 94.0 | 96.0 | 98.5 | 85.2 | 99.6 | 102.1 | 104.6 | 107.1 | 109.6 | 112.1 | 114.6 | 117.1 | 119.6 | 122.1 | 124.6 | 127.1 | 129.6 |
| DF/DW 4.63 | 8000 | 32.5 | 87.9 | 92.4 | 94.3 | 96.4 | 82.6 | 96.3 | 97.5 | 101.4 | 102.7 | 104.0 | 105.3 | 106.6 | 107.9 | 109.2 | 110.5 | 111.8 | 113.1 | 114.4 |
| | 10000 | 78.7 | 86.1 | 90.2 | 90.1 | 93.0 | 82.6 | 96.3 | 97.5 | 101.4 | 102.7 | 104.0 | 105.3 | 106.6 | 107.9 | 109.2 | 110.5 | 111.8 | 113.1 | 114.4 |
| | 12500 | 76.8 | 81.3 | 90.7 | 86.8 | 92.5 | 79.8 | 94.3 | 90.5 | 96.5 | 90.1 | 103.8 | 98.4 | 95.8 | 94.3 | 92.8 | 91.3 | 89.8 | 88.3 | 86.8 |
| | 16000 | 79.0 | 82.3 | 93.7 | 87.0 | 96.0 | 82.9 | 96.8 | 90.2 | 98.5 | 93.7 | 103.4 | 96.8 | 94.3 | 91.8 | 89.3 | 86.8 | 84.3 | 81.8 | 79.3 |
| OVERALL CALCULATED | 108.8 | 110.1 | 111.3 | 112.3 | 113.9 | 116.7 | 118.8 | 122.5 | 125.3 | 128.1 | 130.2 | 132.3 | 134.4 | 136.5 | 138.6 | 140.7 | 142.8 | 144.9 | 147.0 | 149.1 |
| PNDB | 118.2 | 121.2 | 122.7 | 124.4 | 126.2 | 116.7 | 129.2 | 130.3 | 133.7 | 125.3 | 137.6 | 137.2 | 134.8 | | | | | | | |

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ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 778 R ACoustic RANGE 45.7m(150ft.) ARC FULL - 33m²(513in²) SIZE

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | | | | | |
|---|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN'S) | | | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 90. | 180. |
| FREQ. | | (0.70)(0.57) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (2.96) | (0.) | (0.) | (0.) |
| 50 | NO EGA | 57.5 | 61.8 | 65.4 | 69.2 | 73.0 | 76.8 | 80.6 | 84.4 | 88.2 | 92.0 | 95.8 | 99.6 | 103.4 | 100. | 90. | 80.8 |
| 63 | SIDELINE 2400. FT. | 59.0 | 64.9 | 68.2 | 72.0 | 75.8 | 79.6 | 83.4 | 87.2 | 91.0 | 94.8 | 98.6 | 102.4 | 106.2 | 103. | 93. | 82.5 |
| 80 | (731.52 M) | 60.9 | 63.8 | 67.2 | 70.6 | 74.0 | 77.4 | 80.8 | 84.2 | 87.6 | 91.0 | 94.4 | 97.8 | 101.2 | 98. | 88. | 78.6 |
| 100 | NFA | 61.7 | 63.8 | 66.9 | 69.8 | 72.7 | 75.6 | 78.5 | 81.4 | 84.3 | 87.2 | 90.1 | 93.0 | 95.9 | 92. | 82. | 72.7 |
| 125 | (1. RPM) | 62.9 | 65.5 | 67.7 | 70.0 | 72.3 | 74.6 | 76.9 | 79.2 | 81.5 | 83.8 | 86.1 | 88.4 | 90.7 | 89. | 79. | 69.2 |
| 160 | (0. RAD/SEC) | 65.2 | 66.9 | 68.8 | 71.1 | 73.1 | 75.0 | 76.9 | 78.8 | 80.7 | 82.6 | 84.5 | 86.4 | 88.3 | 85. | 75. | 64.8 |
| 200 | (1. RPM) | 67.6 | 70.1 | 71.8 | 73.3 | 74.9 | 76.4 | 77.9 | 79.4 | 80.9 | 82.4 | 83.9 | 85.4 | 86.9 | 83. | 73. | 62.7 |
| 250 | (0. RAD/SEC) | 66.9 | 70.2 | 72.9 | 75.5 | 78.1 | 80.7 | 83.3 | 85.9 | 88.5 | 91.1 | 93.7 | 96.3 | 98.9 | 87. | 77. | 66.6 |
| 315 | (7500. RPM) | 67.2 | 69.3 | 70.5 | 73.1 | 74.9 | 76.7 | 78.5 | 80.3 | 82.1 | 83.9 | 85.7 | 87.5 | 89.3 | 83. | 73. | 62.6 |
| 400 | (785. RAD/SEC) | 68.3 | 70.2 | 73.0 | 73.4 | 74.9 | 76.4 | 77.9 | 79.4 | 80.9 | 82.4 | 83.9 | 85.4 | 86.9 | 82. | 72. | 61.5 |
| 500 | AIRFLOW RATIO | 69.4 | 71.1 | 72.5 | 73.6 | 75.0 | 76.4 | 77.8 | 79.2 | 80.6 | 82.0 | 83.4 | 84.8 | 86.2 | 81. | 71. | 60.4 |
| 630 | WF/W 4.63 | 69.5 | 71.6 | 73.8 | 74.9 | 75.3 | 76.8 | 77.8 | 78.8 | 80.4 | 81.4 | 82.4 | 83.4 | 84.4 | 77. | 67. | 56.3 |
| 800 | VEHICLE | 66.1 | 69.2 | 72.2 | 73.7 | 75.5 | 76.8 | 77.8 | 78.8 | 80.4 | 81.4 | 82.4 | 83.4 | 84.4 | 72. | 62. | 51.2 |
| 1000 | CONFIG | 63.9 | 68.1 | 70.5 | 72.6 | 74.5 | 76.3 | 77.8 | 79.2 | 80.6 | 82.0 | 83.4 | 84.8 | 86.2 | 69. | 59. | 48.1 |
| 1250 | LOC C41 ANECH CH | 62.0 | 65.7 | 69.7 | 72.1 | 73.8 | 75.8 | 77.5 | 79.1 | 81.0 | 82.7 | 84.3 | 85.9 | 87.5 | 66. | 56. | 45.0 |
| 1600 | DATE 06-16-76 | 59.0 | 64.2 | 67.2 | 70.7 | 73.5 | 76.2 | 78.0 | 80.4 | 82.7 | 84.7 | 86.7 | 88.7 | 90.7 | 63. | 53. | 41.9 |
| 2000 | RUN CONF7REPEATH | 55.3 | 62.7 | 65.0 | 68.8 | 72.1 | 75.0 | 77.4 | 79.7 | 81.0 | 82.7 | 84.3 | 85.9 | 87.5 | 60. | 50. | 39.8 |
| 2500 | TAPE | 50.1 | 58.3 | 62.1 | 65.7 | 68.1 | 70.7 | 73.1 | 75.5 | 77.9 | 80.3 | 82.7 | 85.1 | 87.5 | 57. | 47. | 36.7 |
| 3150 | X07780 | 43.0 | 52.9 | 57.3 | 61.9 | 64.7 | 67.2 | 69.8 | 72.1 | 74.6 | 76.7 | 78.8 | 80.9 | 82.9 | 54. | 44. | 33.6 |
| 4000 | FAN TIP SPEED | 33.3 | 44.0 | 50.2 | 53.7 | 58.8 | 61.3 | 63.8 | 66.3 | 68.8 | 71.3 | 73.8 | 76.3 | 78.8 | 51. | 41. | 30.5 |
| 5000 | FT/SEC | 26.9 | 38.8 | 44.7 | 49.7 | 53.4 | 56.9 | 60.4 | 63.9 | 67.4 | 70.9 | 74.4 | 77.9 | 81.4 | 48. | 38. | 27.4 |
| 6300 | | 11.9 | 26.6 | 34.9 | 40.4 | 44.9 | 49.4 | 53.9 | 58.4 | 62.9 | 67.4 | 71.9 | 76.4 | 80.9 | 45. | 35. | 24.3 |
| 8000 | | 5.5 | 17.9 | 24.5 | 29.2 | 32.5 | 35.8 | 39.1 | 42.4 | 45.7 | 49.0 | 52.3 | 55.6 | 58.9 | 42. | 32. | 21.2 |
| 10000 | | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 39. | 29. | 18.1 |
| 12500 | | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 | 36. | 26. | 15.0 |

REPRODUCIBLE ORIGINAL PAGE

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 778 R ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m(513in?)

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

| FULL SIZE SOUND PRESSURE LEVELS | | | | | | | | | | PROC. DATE - MONTH 9 DAY 7 HR. 17.6 | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------------------|--------|--------|--------|------|------|------|------|------|------|
| SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS) | | | | | | | | | | | | | | | | | | | |
| ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | | | | | | | |
| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. |
| NO EGA | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) |
| 50 | 80.7 | 83.4 | 84.9 | 85.2 | 86.6 | 87.4 | 89.3 | 91.7 | 94.4 | 99.5 | 104.9 | 106.9 | 107.4 | | | | | | |
| 63 | 81.7 | 85.8 | 84.8 | 87.1 | 89.2 | 90.0 | 90.7 | 93.1 | 96.5 | 101.3 | 106.5 | 109.2 | 109.3 | | | | | | |
| 80 | 84.5 | 85.3 | 87.6 | 87.8 | 89.4 | 90.5 | 91.9 | 94.3 | 97.8 | 103.9 | 108.3 | 110.5 | 109.5 | | | | | | |
| 100 | 84.6 | 85.6 | 87.6 | 88.2 | 89.3 | 91.4 | 92.8 | 95.2 | 98.6 | 105.2 | 108.9 | 110.6 | 109.4 | | | | | | |
| 125 | 85.5 | 87.5 | 88.2 | 89.0 | 91.1 | 92.4 | 94.4 | 96.8 | 100.2 | 105.1 | 107.8 | 109.7 | 108.2 | | | | | | |
| 160 | 86.5 | 88.2 | 89.3 | 90.5 | 92.1 | 93.2 | 95.1 | 97.5 | 101.5 | 105.8 | 108.3 | 108.0 | 107.2 | | | | | | |
| 200 | 88.0 | 89.3 | 90.3 | 91.4 | 92.5 | 94.3 | 96.0 | 98.4 | 101.3 | 105.9 | 107.1 | 106.0 | 105.8 | | | | | | |
| 250 | 87.9 | 89.2 | 91.9 | 92.0 | 93.1 | 94.7 | 96.1 | 99.5 | 102.7 | 105.5 | 106.2 | 106.1 | 104.7 | | | | | | |
| 315 | 87.7 | 89.3 | 90.8 | 92.1 | 93.9 | 95.5 | 96.4 | 99.1 | 103.0 | 106.1 | 106.3 | 106.2 | 105.3 | | | | | | |
| 400 | 88.0 | 89.8 | 91.6 | 92.1 | 94.0 | 95.3 | 97.2 | 100.4 | 102.6 | 105.4 | 105.9 | 105.8 | 104.3 | | | | | | |
| 500 | 83.2 | 90.0 | 91.5 | 91.8 | 94.3 | 95.0 | 96.8 | 100.3 | 102.7 | 104.3 | 105.5 | 105.7 | 104.5 | | | | | | |
| 630 | 88.4 | 90.2 | 91.7 | 92.8 | 94.3 | 95.0 | 97.1 | 100.3 | 103.5 | 105.3 | 105.5 | 105.7 | 105.0 | | | | | | |
| 800 | 87.5 | 89.3 | 90.6 | 91.8 | 93.9 | 95.0 | 97.2 | 100.3 | 102.8 | 104.4 | 104.1 | 105.0 | 103.5 | | | | | | |
| 1000 | 87.6 | 88.9 | 90.7 | 92.2 | 94.1 | 95.7 | 96.8 | 100.7 | 102.7 | 103.3 | 103.7 | 105.4 | 103.9 | | | | | | |
| 1250 | 86.5 | 88.8 | 90.4 | 91.9 | 94.5 | 96.3 | 97.7 | 100.1 | 102.6 | 102.5 | 103.2 | 105.8 | 103.8 | | | | | | |
| 1600 | 86.4 | 88.0 | 89.1 | 91.8 | 94.4 | 96.3 | 98.2 | 99.6 | 102.3 | 102.4 | 103.1 | 105.3 | 104.0 | | | | | | |
| 2000 | 84.1 | 87.7 | 88.5 | 91.0 | 94.3 | 94.7 | 97.3 | 99.7 | 102.2 | 101.4 | 102.0 | 105.2 | 103.7 | | | | | | |
| 3150 | 81.1 | 84.3 | 86.2 | 89.2 | 91.7 | 93.1 | 96.2 | 97.0 | 99.5 | 98.7 | 99.3 | 102.9 | 101.3 | | | | | | |
| 4000 | 78.7 | 81.7 | 84.3 | 87.2 | 91.0 | 90.8 | 94.7 | 94.0 | 97.0 | 96.0 | 95.9 | 100.4 | 99.6 | | | | | | |
| 5000 | 76.4 | 80.2 | 81.7 | 85.3 | 88.3 | 89.1 | 91.3 | 92.0 | 95.3 | 93.4 | 96.0 | 97.3 | 97.4 | | | | | | |
| 6300 | 75.2 | 79.2 | 82.3 | 85.8 | 88.5 | 88.3 | 91.4 | 90.5 | 93.0 | 91.3 | 93.5 | 98.3 | 96.3 | | | | | | |
| 8000 | 72.2 | 76.4 | 81.2 | 84.5 | 85.6 | 85.9 | 91.4 | 87.3 | 90.0 | 89.7 | 91.1 | 95.8 | 94.2 | | | | | | |
| 10000 | 68.9 | 72.9 | 79.5 | 82.6 | 82.5 | 82.3 | 89.1 | 83.3 | 85.0 | 84.6 | 87.8 | 90.2 | 88.8 | | | | | | |
| 12500 | 66.0 | 69.8 | 80.0 | 82.0 | 80.6 | 79.3 | 89.4 | 79.3 | 81.0 | 81.9 | 86.3 | 85.2 | 85.8 | | | | | | |
| 16000 | 68.5 | 71.8 | 83.2 | 85.3 | 82.3 | 82.4 | 93.8 | 77.2 | 79.8 | 82.7 | 88.7 | 85.8 | 85.7 | | | | | | |
| OVERALL CALCULATED | 99.2 | 101.1 | 102.7 | 104.0 | 106.1 | 107.3 | 109.4 | 111.6 | 114.5 | 116.9 | 118.7 | 120.0 | 119.0 | | | | | | |
| PNOB | 108.5 | 111.1 | 112.9 | 115.1 | 117.6 | 118.6 | 121.3 | 122.5 | 125.2 | 125.8 | 127.0 | 129.4 | 128.0 | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 780 R ACOUSTIC RANGE 45.7m(150ft.) ARC SIZE FULL-.33m²(513in²)

PROC. DATE - MONTH 9 DAY 7 HR. 17.6

| | | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|--|---|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | | |
| | | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| | | FREQ. (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.09) (2.27) (2.44) (2.62) (2.79) (3.0) (3.16) | | | | | | | | | | | | | |
| NO EGA | | 50 | 52.7 | 56.8 | 59.4 | 60.4 | 62.2 | 63.2 | 65.4 | 66.9 | 68.9 | 72.9 | 76.8 | 73.5 | |
| SIDELINE 2400. FT. | | 63 | 53.5 | 59.1 | 59.2 | 62.2 | 64.7 | 65.7 | 66.2 | 68.2 | 71.0 | 74.7 | 78.3 | 75.2 | |
| (731.52 M) | | 90 | 56.2 | 58.6 | 61.9 | 62.9 | 65.0 | 66.2 | 67.5 | 69.4 | 72.2 | 77.1 | 80.0 | 75.4 | |
| NFA | | 100 | 56.2 | 58.8 | 61.9 | 63.2 | 64.7 | 67.0 | 68.2 | 70.2 | 72.9 | 78.4 | 80.5 | 75.0 | |
| (0. RAD/SEC) | | 125 | 56.9 | 60.5 | 62.4 | 64.0 | 66.5 | 67.7 | 69.7 | 71.7 | 74.4 | 78.1 | 79.2 | 73.6 | |
| NFK | | 160 | 57.7 | 61.2 | 63.3 | 65.4 | 67.4 | 68.6 | 70.4 | 72.4 | 75.5 | 78.7 | 79.5 | 76.8 | |
| (0. RAD/SEC) | | 200 | 59.1 | 62.1 | 64.3 | 66.1 | 67.6 | 69.6 | 71.1 | 73.1 | 75.8 | 78.7 | 78.2 | 74.6 | |
| MFD | | 250 | 58.7 | 61.7 | 65.7 | 66.5 | 68.0 | 69.8 | 71.0 | 74.0 | 75.4 | 78.0 | 77.0 | 74.4 | |
| (7500. RPM) | | 315 | 58.2 | 62.0 | 64.3 | 66.4 | 68.7 | 70.4 | 71.2 | 73.4 | 76.5 | 78.4 | 76.8 | 74.0 | |
| (785. RAD/SEC) | | 400 | 58.1 | 61.7 | 64.7 | 66.1 | 68.4 | 69.9 | 71.7 | 74.4 | 75.7 | 77.3 | 75.9 | 73.0 | |
| AIRFLOW RATIO | | 500 | 57.0 | 61.4 | 64.2 | 65.4 | 68.5 | 69.2 | 71.0 | 73.9 | 75.7 | 76.2 | 74.3 | 71.3 | |
| WF/W 4.63 | | 630 | 57.2 | 61.1 | 64.0 | 65.9 | 68.5 | 69.3 | 70.8 | 73.9 | 75.7 | 76.2 | 74.3 | 71.3 | |
| VEHICLE | | 800 | 55.4 | 59.4 | 62.2 | 64.4 | 67.0 | 68.3 | 70.3 | 72.9 | 74.4 | 74.5 | 72.0 | 69.5 | |
| CELL41 | | 1000 | 54.4 | 58.1 | 61.5 | 64.1 | 66.5 | 68.3 | 69.2 | 72.6 | 73.5 | 72.5 | 70.6 | 68.5 | |
| CONFIG | | 1250 | 52.0 | 56.9 | 60.2 | 62.8 | 66.0 | 68.1 | 69.3 | 71.1 | 72.4 | 70.6 | 68.6 | 67.1 | |
| LOC C41 ANECHO CH | | 1600 | 49.9 | 54.5 | 57.5 | 61.5 | 64.7 | 66.8 | 68.5 | 69.2 | 70.7 | 68.9 | 66.6 | 64.0 | |
| DATE 06-16-76 | | 2000 | 45.3 | 52.2 | 55.2 | 59.1 | 63.1 | 63.7 | 66.1 | 67.8 | 68.9 | 65.9 | 63.2 | 60.9 | |
| RUN CONF7REPEATH | | 2500 | 40.4 | 47.3 | 51.6 | 55.7 | 59.8 | 61.0 | 63.6 | 64.6 | 61.3 | 58.3 | 55.4 | 41.6 | |
| TAPE X07800 | | 3150 | 33.5 | 41.6 | 46.6 | 51.4 | 55.0 | 56.7 | 59.5 | 59.2 | 59.8 | 56.0 | 51.8 | 47.3 | |
| FAN TIP SPEED | | 4000 | 23.1 | 32.2 | 38.7 | 44.0 | 49.1 | 49.3 | 52.8 | 50.8 | 51.5 | 46.6 | 40.3 | 34.4 | |
| FT/SEC | | 5000 | 16.1 | 26.8 | 32.7 | 39.0 | 43.4 | 44.6 | 46.4 | 45.6 | 46.3 | 40.0 | 35.6 | 25.2 | |
| | | 6300 | 1.1 | 14.4 | 23.2 | 30.2 | 34.9 | 35.2 | 37.8 | 35.0 | 34.0 | 26.5 | 19.5 | 8.3 | |
| | | 8000 | | | | | | | | | | | | | |
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OVERALL CALCULATED 68.6 72.2 74.9 76.7 79.1 80.6 82.0 84.4 86.5 88.6 89.0 87.7 83.1

PNDB 72.5 76.9 80.1 82.8 86.0 87.5 89.3 90.9 92.5 93.0 92.0 89.5 82.9

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 780R ACOUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m²(513in²)

PROC. DATE - MONTH 9 DAY 7 HR. 17.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | | | | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIANES) | | | | | | | | | | | 0. | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 781 R ACOUSTIC RANGE 45.7m(150ft.) ARC

SIZE FULL-.33m²(513in²)

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM
 PROC. DATE - MONTH 9 DAY 7 MO. 17.6
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)
 FULL SIZE SOUND PRESSURE LEVELS SCALED FROM INLET IN DEGREES (AND RADIANS)

| FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.42) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.0) | (0.0) | (0.0) | (0.0) |
| 60 | 59.0 | 64.6 | 67.4 | 68.2 | 69.7 | 70.9 | 73.4 | 75.2 | 76.9 | 78.7 | 80.4 | 85.8 | 86.4 | 84.0 | | | |
| 70 | 61.0 | 67.1 | 66.7 | 69.5 | 72.2 | 73.5 | 74.0 | 76.0 | 78.7 | 83.4 | 86.1 | 90.2 | 90.1 | 85.2 | | | |
| 80 | 63.2 | 66.3 | 68.9 | 69.7 | 71.7 | 73.2 | 74.2 | 76.9 | 80.4 | 86.1 | 90.2 | 90.1 | 85.2 | | | | |
| 90 | 63.9 | 65.8 | 68.7 | 70.5 | 72.2 | 74.2 | 75.0 | 77.5 | 81.2 | 85.4 | 92.7 | 92.3 | 85.8 | | | | |
| 100 | 64.9 | 67.8 | 69.9 | 71.5 | 73.5 | 75.0 | 76.5 | 79.2 | 82.7 | 88.9 | 92.7 | 92.3 | 85.8 | | | | |
| 125 | 67.2 | 69.2 | 71.6 | 73.4 | 74.9 | 76.1 | 78.1 | 80.6 | 84.3 | 89.5 | 93.3 | 92.8 | 86.5 | | | | |
| 160 | 70.3 | 72.8 | 74.8 | 75.6 | 75.8 | 77.8 | 78.8 | 81.6 | 84.8 | 89.2 | 93.4 | 92.4 | 86.5 | | | | |
| 200 | 70.2 | 73.2 | 75.9 | 77.0 | 78.0 | 79.0 | 79.8 | 82.5 | 85.7 | 89.0 | 93.2 | 92.9 | 85.3 | | | | |
| 250 | 74.4 | 75.0 | 75.3 | 76.1 | 77.4 | 78.9 | 79.2 | 81.9 | 85.8 | 88.9 | 93.0 | 92.0 | 83.0 | | | | |
| 315 | 74.5 | 76.0 | 78.5 | 78.1 | 77.7 | 78.2 | 79.9 | 83.1 | 86.0 | 88.8 | 92.6 | 89.5 | 79.2 | | | | |
| 400 | 72.4 | 75.6 | 78.0 | 79.1 | 80.0 | 79.7 | 79.7 | 83.1 | 86.2 | 88.0 | 91.7 | 86.2 | 76.6 | | | | |
| 500 | 71.5 | 74.1 | 76.3 | 78.2 | 80.3 | 80.6 | 80.5 | 82.9 | 86.0 | 88.2 | 90.1 | 84.1 | 74.0 | | | | |
| 630 | 69.4 | 72.4 | 74.5 | 76.3 | 77.5 | 79.3 | 80.5 | 82.9 | 85.2 | 87.3 | 86.2 | 81.2 | 69.9 | | | | |
| 800 | 68.7 | 71.6 | 74.5 | 76.3 | 77.0 | 78.5 | 79.7 | 82.8 | 83.8 | 86.3 | 84.6 | 78.5 | 67.4 | | | | |
| 1000 | 67.0 | 70.4 | 73.7 | 75.6 | 77.3 | 78.6 | 79.5 | 81.3 | 82.9 | 84.3 | 82.1 | 76.1 | 64.2 | | | | |
| 1250 | 64.4 | 69.2 | 72.0 | 74.7 | 77.2 | 77.3 | 79.0 | 80.2 | 81.5 | 82.4 | 79.1 | 72.3 | 60.0 | | | | |
| 1600 | 60.8 | 67.0 | 70.7 | 73.3 | 75.9 | 75.5 | 77.4 | 78.1 | 79.5 | 79.2 | 75.3 | 68.7 | 54.4 | | | | |
| 2000 | 55.9 | 62.8 | 66.9 | 70.7 | 73.4 | 73.5 | 74.9 | 74.3 | 75.4 | 74.3 | 70.0 | 62.5 | 47.3 | | | | |
| 2500 | 48.8 | 57.6 | 62.1 | 66.4 | 69.3 | 69.7 | 71.8 | 69.7 | 71.3 | 69.0 | 63.3 | 54.6 | 36.1 | | | | |
| 3150 | 38.8 | 48.8 | 54.5 | 59.0 | 63.3 | 63.3 | 65.6 | 62.6 | 63.2 | 59.6 | 53.6 | 41.6 | 18.9 | | | | |
| 4000 | 32.9 | 43.8 | 49.3 | 54.0 | 58.2 | 58.7 | 58.7 | 57.6 | 58.8 | 53.3 | 48.9 | 32.0 | 8.0 | | | | |
| 5000 | 18.1 | 31.6 | 39.5 | 44.7 | 48.9 | 48.7 | 50.3 | 47.7 | 47.2 | 42.0 | 33.9 | 16.8 | | | | | |
| 6300 | 11.8 | 23.2 | 29.1 | 32.3 | 32.3 | 33.7 | 34.3 | 31.1 | 29.7 | 24.9 | 12.7 | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | 81.7 | 84.2 | 86.5 | 87.8 | 89.2 | 90.0 | 91.0 | 93.4 | 96.2 | 99.6 | 102.9 | 101.6 | 95.2 | | | | |
| PHOB | 87.4 | 90.6 | 93.4 | 95.6 | 97.8 | 98.1 | 99.6 | 100.9 | 102.9 | 104.9 | 107.0 | 104.3 | 96.2 | | | | |

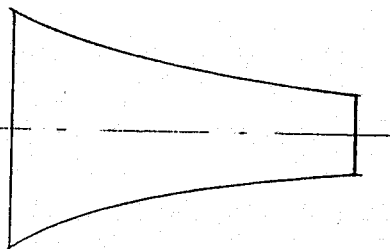
REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION 7 TEST POINT 781R ACoustic RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-.33m²(513in²)

6.8 Acoustic Data Conical Nozzle

$$A_T = 16.916 \text{ in.}^2$$



PROC. DATE - MONTH 9 DAY 17 HR. 22.7
F. 70 PERCENT REL. HUM. DAY - JENOTS)

40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 0. 0. 0. 0. PWL

NO EGA
RDG. NO. C.

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

| | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100 | 84.6 | 95.4 | 93.7 | 94.2 | 96.3 | 96.2 | 96.3 | 97.5 | 100.4 | 99.7 | 103.2 | 103.9 | 106.4 |
| 125 | 83.6 | 89.6 | 91.6 | 92.7 | 95.0 | 95.9 | 96.2 | 97.2 | 98.6 | 96.4 | 104.4 | 107.3 | 107.9 |
| 160 | 82.6 | 88.4 | 91.4 | 90.7 | 92.0 | 92.4 | 92.0 | 95.5 | 99.4 | 103.0 | 107.2 | 109.4 | 110.9 |
| 200 | 87.8 | 89.0 | 89.5 | 90.6 | 92.7 | 94.5 | 95.4 | 98.3 | 102.0 | 106.6 | 109.1 | 113.8 | 114.0 |
| 250 | 87.3 | 90.6 | 91.1 | 91.9 | 94.2 | 96.6 | 100.0 | 104.1 | 108.1 | 111.9 | 115.6 | 116.8 | 115.6 |
| 315 | 88.9 | 91.9 | 92.4 | 93.5 | 94.5 | 96.4 | 98.6 | 101.7 | 106.7 | 111.8 | 116.5 | 117.9 | 116.7 |
| 400 | 90.9 | 91.5 | 93.2 | 93.7 | 95.6 | 97.5 | 98.8 | 102.5 | 108.2 | 114.5 | 119.5 | 119.7 | 116.7 |
| 500 | 92.3 | 93.5 | 94.0 | 94.3 | 97.2 | 98.0 | 100.7 | 104.3 | 110.3 | 117.9 | 120.1 | 120.0 | 117.0 |
| 630 | 94.4 | 94.9 | 95.1 | 95.7 | 97.8 | 99.4 | 101.5 | 105.4 | 112.4 | 119.0 | 121.4 | 119.3 | 117.6 |
| 800 | 97.1 | 97.2 | 97.9 | 97.7 | 99.8 | 101.4 | 102.8 | 107.2 | 115.2 | 121.5 | 122.7 | 119.4 | 117.2 |
| 1000 | 101.9 | 101.5 | 102.2 | 100.3 | 101.9 | 102.2 | 104.6 | 108.8 | 117.0 | 122.6 | 122.0 | 118.7 | 116.2 |
| 1250 | 112.0 | 110.3 | 107.6 | 105.4 | 104.9 | 104.8 | 105.7 | 110.4 | 118.1 | 122.9 | 122.1 | 117.8 | 114.6 |
| 1600 | 113.9 | 112.4 | 109.4 | 105.7 | 104.6 | 105.2 | 106.1 | 110.5 | 118.9 | 122.8 | 121.0 | 115.4 | 112.9 |
| 2000 | 114.7 | 114.2 | 113.7 | 111.8 | 108.6 | 106.2 | 107.1 | 111.8 | 119.2 | 122.8 | 119.5 | 114.7 | 111.2 |
| 2500 | 111.8 | 112.1 | 112.6 | 114.9 | 115.0 | 110.1 | 109.2 | 113.1 | 118.6 | 122.4 | 117.9 | 113.3 | 109.6 |
| 3150 | 111.0 | 111.0 | 111.3 | 112.6 | 114.9 | 115.0 | 110.7 | 113.3 | 118.6 | 120.1 | 117.1 | 112.5 | 108.3 |
| 4000 | 109.3 | 109.6 | 110.8 | 110.1 | 112.4 | 114.6 | 113.7 | 113.6 | 117.3 | 119.7 | 115.6 | 111.0 | 107.1 |
| 5000 | 108.6 | 108.9 | 110.0 | 110.5 | 111.8 | 112.2 | 114.6 | 115.5 | 118.2 | 118.1 | 115.0 | 110.4 | 106.7 |
| 6300 | 107.7 | 108.8 | 109.3 | 109.6 | 111.6 | 112.0 | 112.6 | 116.1 | 117.3 | 117.2 | 113.3 | 109.2 | 105.3 |
| 8000 | 107.2 | 107.1 | 108.9 | 109.1 | 111.5 | 111.8 | 112.5 | 115.4 | 116.9 | 116.5 | 112.9 | 108.8 | 105.1 |
| 10000 | 105.9 | 106.2 | 108.1 | 108.3 | 110.6 | 111.0 | 112.9 | 113.8 | 115.6 | 115.5 | 111.1 | 106.5 | 103.2 |
| 12500 | 104.1 | 104.0 | 106.6 | 107.1 | 109.2 | 110.0 | 110.7 | 111.8 | 114.6 | 113.6 | 110.2 | 105.8 | 102.0 |
| 16000 | 102.1 | 102.8 | 106.0 | 105.5 | 108.2 | 108.3 | 110.2 | 110.5 | 114.0 | 112.0 | 108.6 | 104.7 | 100.3 |
| 20000 | 99.1 | 99.8 | 103.0 | 101.6 | 105.2 | 104.4 | 107.1 | 107.5 | 110.7 | 109.5 | 105.8 | 101.5 | 97.7 |
| 25000 | 98.0 | 98.1 | 100.0 | 98.3 | 102.5 | 104.1 | 103.3 | 104.7 | 107.5 | 106.2 | 103.7 | 95.5 | 95.8 |
| 31500 | 97.2 | 95.4 | 99.6 | 98.3 | 100.6 | 102.8 | 102.0 | 102.6 | 108.4 | 104.7 | 100.7 | | |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|------------------|---|
| CONICAL | 1 | 12.2m(40ft.) ARC | MODEL-109cm ² (16.9in ²) |

| FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (SP. DEG. F, 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| FREQ. | | | | | | | | | | ANGLES | | | | | | | | | |
| 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. | | | | | | | | | | 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | | | | | | | | | |
| NO EGA | | | | | | | | | | | | | | | | | | | |
| SIDELINE 240C. FT. | | | | | | | | | | | | | | | | | | | |
| (731.52 M) | | | | | | | | | | | | | | | | | | | |
| 1. RPM | | | | | | | | | | | | | | | | | | | |
| NFA (0. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| NFK (1. RPM) | | | | | | | | | | | | | | | | | | | |
| NFD (750C. RPM) | | | | | | | | | | | | | | | | | | | |
| NFE (785. RAD/SEC) | | | | | | | | | | | | | | | | | | | |
| AIRFLOW RATIO | | | | | | | | | | | | | | | | | | | |
| WF/WM 5.51 | | | | | | | | | | | | | | | | | | | |
| VEHICLE CELL41 | | | | | | | | | | | | | | | | | | | |
| CONFIG NC79 | | | | | | | | | | | | | | | | | | | |
| LOC C41 ANECH CH | | | | | | | | | | | | | | | | | | | |
| DATE 09-01-76 | | | | | | | | | | | | | | | | | | | |
| RUN CONIFLOWFLOW | | | | | | | | | | | | | | | | | | | |
| TAPE X00010 | | | | | | | | | | | | | | | | | | | |
| FAN TIP SPEED | | | | | | | | | | | | | | | | | | | |
| 4000 49.1 56.0 62.9 64.0 69.5 68.5 70.8 69.8 70.7 65.6 55.8 40.0 16.8 | | | | | | | | | | | | | | | | | | | |
| 5000 44.5 51.6 57.8 58.3 64.5 66.6 65.3 65.3 65.3 59.7 50.3 30.3 7.2 | | | | | | | | | | | | | | | | | | | |
| 6300 31.5 39.1 49.0 51.2 55.4 58.2 56.8 55.5 57.7 48.3 35.1 14.5 | | | | | | | | | | | | | | | | | | | |
| 8000 8.5 19.4 31.7 34.0 39.7 42.5 41.7 40.3 42.2 30.7 13.1 | | | | | | | | | | | | | | | | | | | |
| 10000 6.1 10.3 17.4 20.6 18.5 17.7 18.4 5.3 | | | | | | | | | | | | | | | | | | | |
| 12500 | | | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | | | |
| OVERALL CALCULATED | | | | | | | | | | | | | | | | | | | |
| PNDB 94.0 95.4 96.3 97.2 98.5 98.4 98.1 100.2 104.7 107.5 105.4 100.8 94.7 | | | | | | | | | | | | | | | | | | | |
| 99.4 101.5 103.3 104.4 106.0 106.2 106.8 108.4 111.3 112.6 108.8 102.1 94.6 | | | | | | | | | | | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| CONICAL | / | 731.5m(2400ft.) | FULL-.33m ² (513in ²) |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------|--|
| CONICAL | 2 | 45.7m (150ft.) ARC | FULL - 33m ² (513ft. ²) |

| FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (1/2" DIA.) | | | | | | | | | | | | |
|--|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| FREQ. | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | |
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. |
| NO EGA | | | | | | | | | | | | |
| 50 | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) |
| 100 | 59.0 | 63.8 | 65.4 | 66.4 | 68.9 | 70.9 | 73.7 | 76.2 | 80.2 | 83.4 | 86.3 | 89.3 |
| 150 | 63 | 59.5 | 65.4 | 66.0 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 |
| 200 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 250 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 300 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 350 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 400 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 450 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 500 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 550 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 600 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 650 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 700 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 750 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 800 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 850 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 900 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 950 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1000 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1050 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1100 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1150 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1200 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1250 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1300 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1350 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1400 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1450 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1500 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1550 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1600 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1650 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1700 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1750 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1800 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1850 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1900 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 1950 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2000 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2050 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2100 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2150 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2200 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2250 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2300 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2350 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2400 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2450 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2500 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2550 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2600 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2650 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2700 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2750 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2800 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2850 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2900 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 2950 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3000 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3050 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3100 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3150 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3200 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3250 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3300 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3350 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3400 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3450 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3500 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3550 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3600 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3650 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3700 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3750 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3800 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3850 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3900 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 3950 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4000 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4050 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4100 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4150 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4200 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4250 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4300 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4350 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4400 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4450 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4500 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4550 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4600 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4650 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4700 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4750 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4800 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4850 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4900 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 4950 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 5000 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 5050 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 5100 | 60 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | 77.2 | 81.0 | 84.9 | 87.1 |
| 5150 | 63 | 62.0 | 65.3 | 67.4 | 68.7 | 71.2 | 72.7 | 74.0 | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE
Full - 33m² (513in²)

ACOUSTIC RANGE
731 5m(2400ft.) SIDELINE

TEST POINT 2

CONFIGURATION
CONICAL

| RDG. NO. | NO. EGA | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 170. | 180. | 190. | 200. | 210. | 220. | 230. | 240. | 250. | 260. | 270. | 280. | 290. | 300. | 310. | 320. | 330. | 340. | 350. | 360. | 370. | 380. | 390. | 400. | 410. | 420. | 430. | 440. | 450. | 460. | 470. | 480. | 490. | 500. | 510. | 520. | 530. | 540. | 550. | 560. | 570. | 580. | 590. | 600. | 610. | 620. | 630. | 640. | 650. | 660. | 670. | 680. | 690. | 700. | 710. | 720. | 730. | 740. | 750. | 760. | 770. | 780. | 790. | 800. | 810. | 820. | 830. | 840. | 850. | 860. | 870. | 880. | 890. | 900. | 910. | 920. | 930. | 940. | 950. | 960. | 970. | 980. | 990. | 1000. | 1010. | 1020. | 1030. | 1040. | 1050. | 1060. | 1070. | 1080. | 1090. | 1100. | 1110. | 1120. | 1130. | 1140. | 1150. | 1160. | 1170. | 1180. | 1190. | 1200. | 1210. | 1220. | 1230. | 1240. | 1250. | 1260. | 1270. | 1280. | 1290. | 1300. | 1310. | 1320. | 1330. | 1340. | 1350. | 1360. | 1370. | 1380. | 1390. | 1400. | 1410. | 1420. | 1430. | 1440. | 1450. | 1460. | 1470. | 1480. | 1490. | 1500. | 1510. | 1520. | 1530. | 1540. | 1550. | 1560. | 1570. | 1580. | 1590. | 1600. | 1610. | 1620. | 1630. | 1640. | 1650. | 1660. | 1670. | 1680. | 1690. | 1700. | 1710. | 1720. | 1730. | 1740. | 1750. | 1760. | 1770. | 1780. | 1790. | 1800. | 1810. | 1820. | 1830. | 1840. | 1850. | 1860. | 1870. | 1880. | 1890. | 1900. | 1910. | 1920. | 1930. | 1940. | 1950. | 1960. | 1970. | 1980. | 1990. | 2000. | 2010. | 2020. | 2030. | 2040. | 2050. | 2060. | 2070. | 2080. | 2090. | 2100. | 2110. | 2120. | 2130. | 2140. | 2150. | 2160. | 2170. | 2180. | 2190. | 2200. | 2210. | 2220. | 2230. | 2240. | 2250. | 2260. | 2270. | 2280. | 2290. | 2300. | 2310. | 2320. | 2330. | 2340. | 2350. | 2360. | 2370. | 2380. | 2390. | 2400. | 2410. | 2420. | 2430. | 2440. | 2450. | 2460. | 2470. | 2480. | 2490. | 2500. | 2510. | 2520. | 2530. | 2540. | 2550. | 2560. | 2570. | 2580. | 2590. | 2600. | 2610. | 2620. | 2630. | 2640. | 2650. | 2660. | 2670. | 2680. | 2690. | 2700. | 2710. | 2720. | 2730. | 2740. | 2750. | 2760. | 2770. | 2780. | 2790. | 2800. | 2810. | 2820. | 2830. | 2840. | 2850. | 2860. | 2870. | 2880. | 2890. | 2900. | 2910. | 2920. | 2930. | 2940. | 2950. | 2960. | 2970. | 2980. | 2990. | 3000. | 3010. | 3020. | 3030. | 3040. | 3050. | 3060. | 3070. | 3080. | 3090. | 3100. | 3110. | 3120. | 3130. | 3140. | 3150. | 3160. | 3170. | 3180. | 3190. | 3200. | 3210. | 3220. | 3230. | 3240. | 3250. | 3260. | 3270. | 3280. | 3290. | 3300. | 3310. | 3320. | 3330. | 3340. | 3350. | 3360. | 3370. | 3380. | 3390. | 3400. | 3410. | 3420. | 3430. | 3440. | 3450. | 3460. | 3470. | 3480. | 3490. | 3500. | 3510. | 3520. | 3530. | 3540. | 3550. | 3560. | 3570. | 3580. | 3590. | 3600. | 3610. | 3620. | 3630. | 3640. | 3650. | 3660. | 3670. | 3680. | 3690. | 3700. | 3710. | 3720. | 3730. | 3740. | 3750. | 3760. | 3770. | 3780. | 3790. | 3800. | 3810. | 3820. | 3830. | 3840. | 3850. | 3860. | 3870. | 3880. | 3890. | 3900. | 3910. | 3920. | 3930. | 3940. | 3950. | 3960. | 3970. | 3980. | 3990. | 4000. | 4010. | 4020. | 4030. | 4040. | 4050. | 4060. | 4070. | 4080. | 4090. | 4100. | 4110. | 4120. | 4130. | 4140. | 4150. | 4160. | 4170. | 4180. | 4190. | 4200. | 4210. | 4220. | 4230. | 4240. | 4250. | 4260. | 4270. | 4280. | 4290. | 4300. | 4310. | 4320. | 4330. | 4340. | 4350. | 4360. | 4370. | 4380. | 4390. | 4400. | 4410. | 4420. | 4430. | 4440. | 4450. | 4460. | 4470. | 4480. | 4490. | 4500. | 4510. | 4520. | 4530. | 4540. | 4550. | 4560. | 4570. | 4580. | 4590. | 4600. | 4610. | 4620. | 4630. | 4640. | 4650. | 4660. | 4670. | 4680. | 4690. | 4700. | 4710. | 4720. | 4730. | 4740. | 4750. | 4760. | 4770. | 4780. | 4790. | 4800. | 4810. | 4820. | 4830. | 4840. | 4850. | 4860. | 4870. | 4880. | 4890. | 4900. | 4910. | 4920. | 4930. | 4940. | 4950. | 4960. | 4970. | 4980. | 4990. | 5000. | 5010. | 5020. | 5030. | 5040. | 5050. | 5060. | 5070. | 5080. | 5090. | 5100. | 5110. | 5120. | 5130. | 5140. | 5150. | 5160. | 5170. | 5180. | 5190. | 5200. | 5210. | 5220. | 5230. | 5240. | 5250. | 5260. | 5270. | 5280. | 5290. | 5300. | 5310. | 5320. | 5330. | 5340. | 5350. | 5360. | 5370. | 5380. | 5390. | 5400. | 5410. | 5420. | 5430. | 5440. | 5450. | 5460. | 5470. | 5480. | 5490. | 5500. | 5510. | 5520. | 5530. | 5540. | 5550. | 5560. | 5570. | 5580. | 5590. | 5600. | 5610. | 5620. | 5630. | 5640. | 5650. | 5660. | 5670. | 5680. | 5690. | 5700. | 5710. | 5720. | 5730. | 5740. | 5750. | 5760. | 5770. | 5780. | 5790. | 5800. | 5810. | 5820. | 5830. | 5840. | 5850. | 5860. | 5870. | 5880. | 5890. | 5900. | 5910. | 5920. | 5930. | 5940. | 5950. | 5960. | 5970. | 5980. | 5990. | 6000. | 6010. | 6020. | 6030. | 6040. | 6050. | 6060. | 6070. | 6080. | 6090. | 6100. | 6110. | 6120. | 6130. | 6140. | 6150. | 6160. | 6170. | 6180. | 6190. | 6200. | 6210. | 6220. | 6230. | 6240. | 6250. | 6260. | 6270. | 6280. | 6290. | 6300. | 6310. | 6320. | 6330. | 6340. | 6350. | 6360. | 6370. | 6380. | 6390. | 6400. | 6410. | 6420. | 6430. | 6440. | 6450. | 6460. | 6470. | 6480. | 6490. | 6500. | 6510. | 6520. | 6530. | 6540. | 6550. | 6560. | 6570. | 6580. | 6590. | 6600. | 6610. | 6620. | 6630. | 6640. | 6650. | 6660. | 6670. | 6680. | 6690. | 6700. | 6710. | 6720. | 6730. | 6740. | 6750. | 6760. | 6770. | 6780. | 6790. | 6800. | 6810. | 6820. | 6830. | 6840. | 6850. | 6860. | 6870. | 6880. | 6890. | 6900. | 6910. | 6920. | 6930. | 6940. | 6950. | 6960. | 6970. | 6980. | 6990. | 7000. | 7010. | 7020. | 7030. | 7040. | 7050. | 7060. | 7070. | 7080. | 7090. | 7100. | 7110. | 7120. | 7130. | 7140. | 7150. | 7160. | 7170. | 7180. | 7190. | 7200. | 7210. | 7220. | 7230. | 7240. | 7250. | 7260. | 7270. | 7280. | 7290. | 7300. | 7310. | 7320. | 7330. | 7340. | 7350. | 7360. | 7370. | 7380. | 7390. | 7400. | 7410. | 7420. | 7430. | 7440. | 7450. | 7460. | 7470. | 7480. | 7490. | 7500. | 7510. | 7520. | 7530. | 7540. | 7550. | 7560. | 7570. | 7580. | 7590. | 7600. | 7610. | 7620. | 7630. | 7640. | 7650. | 7660. | 7670. | 7680. | 7690. | 7700. | 7710. | 7720. | 7730. | 7740. | 7750. | 7760. | 7770. | 7780. | 7790. | 7800. | 7810. | 7820. | 7830. | 7840. | 7850. | 7860. | 7870. | 7880. | 7890. | 7900. | 7910. | 7920. | 7930. | 7940. | 7950. | 7960. | 7970. | 7980. | 7990. | 8000. | 8010. | 8020. | 8030. | 8040. | 8050. | 8060. | 8070. | 8080. | 8090. | 8100. | 8110. | 8120. | 8130. | 8140. | 8150. | 8160. | 8170. | 8180. | 8190. | 8200. | 8210. | 8220. | 8230. | 8240. | 8250. | 8260. | 8270. | 8280. | 8290. | 8300. | 8310. | 8320. | 8330. | 8340. | 8350. | 8360. | 8370. | 8380. | 8390. | 8400. | 8410. | 8420. | 8430. | 8440. | 8450. | 8460. | 8470. | 8480. | 8490. | 8500. | 8510. | 8520. | 8530. | 8540. | 8550. | 8560. | 8570. | 8580. | 8590. | 8600. | 8610. | 8620. | 8630. | 8640. | 8650. | 8660. | 8670. | 8680. | 8690. | 8700. | 8710. | 8720. | 8730. | 8740. | 8750. | 8760. | 8770. | 8780. | 8790. | 8800. | 8810. | 8820. | 8830. | 8840. | 8850. | 8860. | 8870. | 8880. | 8890. | 8900. | 8910. | 8920. | 8930. | 8940. | 8950. | 8960. | 8970. | 8980. | 8990. | 9000. | 9010. | 9020. | 9030. | 9040. | 9050. | 9060. | 9070. | 9080. | 9090. | 9100. | 9110. | 9120. | 9130. | 9140. | 9150. | 9160. | 9170. | 9180. | 9190. | 9200. | 9210. | 9220. | 9230. | 9240. | 9250. | 9260. | 9270. | 9280. | 9290. | 9300. | 9310. | 9320. | 9330. | 9340. | 9350. | 9360. | 9370. | 9380. | 9390. | 9400. | 9410. | 9420. | 9430. | 9440. | 9450. | 9460. | 9470. | 9480. | 9490. | 9500. | 9510. | 9520. | 9530. | 9540. | 9550. | 9560. | 9570. | 9580. | 9590. | 9600. | 9610. | 9620. | 9630. | 9640. | 9650. | 9660. | 9670. | 9680. | 9690. | 9700. | 9710. | 9720. | 9730. | 9740. | 9750. | 9760. | 9770. | 9780. | 9790. | 9800. | 9810. | 9820. | 9830. | 9840. | 9850. | 9860. | 9870. | 9880. | 9890. | 9900. | 9910. | 9920. | 9930. | 9940. | 9950. | 9960. | 9970. | 9980. | 9990. | 10000. | 10010. | 10020. | 10030. | 10040. | 10050. | 10060. | 10070. | 10080. | 10090. | 10100. | 10110. | 10120. | 10130. | 10140. | 10150. | 10160. | 10170. | 10180. | 10190. | 10200. | 10210. | 10220. | 10230. | 10240. | 10250. | 10260. | 10270. | 10280. | 10290. | 10300. | 10310. | 10320. | 10330. | 10340. | 10350. | 10360. | 10370. | 10380. | 10390. | 10400. | 10410. | 10420. | 10430. | 10440. | 10450. | 10460. | 10470. | 10480. | 10490. | 10500. | 10510. | 10520. | 10530. | 10540. | 10550. | 10560. | 10570. | 10580. | 10590. | 10600. | 10610. | 10620. | 10630. | 10640. | 10650. | 10660. | 10670. | 10680. | 10690. | 10700. | 10710. | 10720. | 10730. | 10740. | 10750. | 10760. | 10770. | 10780. | 10790. | 10800. | 10810. | 10820. | 10830. | 10840. | 10850. | 10860. | 10870. | 10880. | 10890. | 10900. | 10910. | 10920. | 10930. | 10940. | 10950. | 10960. | 10970. | 10980. | 10990. | 11000. | 11010. | 11020. | 11030. | 11040. | 11050. | 11060. | 11070. | 11080. | 11090. | 11100. | 11110. | 11120. | 11130. | 11140. | 11150. | 11160. | 11170. | 11180. | 11190. | 11200. | 11210. | 11220. | 11230. | 11240. | 11250. | 11260. | 11270. | 11280. | 11290. | 11300. | 11310. | 11320. | 11330. | 11340. | 11350. | 11360. | 11370. | 11380. | 11390. | 11400. | 11410. | 11420. | 11430. | 11440. | 11450. | 11460. | 11470. | 11480. | 11490. | 11500. | 11510. | 11520. | 11530. | 11540. | 11550. | 11560. | 11570. | 11580. | 11590. | 11600. | 11610. | 11620. | 11630. | 11640. | 11650. | 11660. | 11670. | 11680. | 11690. | 11700. | 11710. | 11720. | 11730. | 11740. | 11750. | 11760. | 11770. | 11780. | 11790. | 11800. | 11810. | 11820. | 11830. | 11840. | 11850. | 11860. | 11870. | 11880. | 11890. | 11900. | 11910. | 11920. | 11930. | 11940. | 11950. | 11960. | 11970. | 11980. | 11990. | 12000. | 12010. | 12020. | 12030. | 12040. | 12050. | 12060. | 12070. | 12080. | 12090. | 12100. | 12110. | 12120. | 12130. | 12140. | 12150. | 12160. | 12170. | 12180. | 12190. | 12200. | 12210. | 12220. | 12230. | 12240. | 12250. | 12260. | 12270. | 12280. | 12290. | 12300. | 12310. | 12320. | 12330. | 12340. | 12350. | 12360. | 12370. | 12380. | 12390. | 12400. | 12410. | 12420. | 12430. | 12440. | 12450. | 12460. | 12470. | 12480. | 12490. | 12500. | 12510. | 12520. | 12530. | 12540. | 12550. | 12560. | 12570. | 12580. | 12590. | 12600. | 12610. | 12620. | 12630. | 12640. | 12650. | 12660. | 12670. | 12680. | 12690. | 12700. | 12710. | 12720. | 12730. | 12740. | 12750. | 12760. | 12770. | 12780. | 12790. | 12800. | 12810. | 12820. | 12830. | 12840. | 12850. | 12860. | 12870. | 12880. | 12890. | 12900. | 12910. | 12920. | 12930. | 12940. | 12950. | 12960. | 12970. | 12980. | 12990. | 13000. | 13010. | 13020. | 13030. | 13040. | 13050. | 13060. | 13070. | 13080. | 13090. | 13100. | 13110. | 13120. | 13130. | 13140. | 13150. | 13160. | 13170. | 13180. | 13190. | 13200. | 13210. | 13220. | 13230. | 13240. | 13250. | 13260. | 13270. | 13280. | 13290. | 13300. | 13310. | 13320. | 13330. | 13340. | 13350. | |
|----------|---------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

[illegible]

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-----------------|--|
| CONICAL | 3 | 731.5m(2400FT.) | SIDELINE
FULL-.33m ² (513IN ²) |

PROC. DATE - MONTH 9 DAY 17 HR. 21.8

| FULL SIZE SOUND PRESSURE | | | | | | | | | | LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | |
|--------------------------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | |
| 40. 50. 60. 70. 80. | | | | | | | | | | 90. 100. 110. 120. 130. 140. 150. 160. 0. G. 0. 0. | | | | | | | | | |
| FREQ. (0.70)(0.87)(1.05)(1.22)(1.40) | | | | | | | | | | (1.57)(1.75)(1.92)(2.09)(2.27)(2.44)(2.62)(2.79)(0. | | | | | | | | | |

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|--------------------------|---|
| CONICAL | 4 | 731.5m(2400ft.) SIDELINE | FULL-33m ² (513in ²) |

PROC. DATE - MONTH 9 DAY 17 HR. 21.7
F. 70 PERCENT REL. NUM. DAY - JENOTS)

| REQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | 0. | | | | |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| FREQ. | (0.70) | (0.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | (0.) | (0.) | (0.) | (0.) | (0.) | (0.) | | | | |
| SC | 63 | 80 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 1000 | 12500 | 16000 | 20000 | 25000 | 31500 | 40000 | 50000 | 63000 | 80000 | |
| NO EGA | 74.6 | 85.9 | 84.2 | 84.0 | 85.8 | 86.2 | 85.8 | 86.7 | 89.4 | 90.0 | 93.7 | 93.9 | 95.2 | 130.9 | | | | | | | | | |
| RDG. MO. | 73.8 | 81.1 | 82.9 | 83.7 | 86.7 | 87.1 | 87.2 | 87.9 | 91.1 | 88.7 | 94.4 | 97.3 | 97.1 | 132.2 | | | | | | | | | |
| RADIAL (12. M) | 74.9 | 80.2 | 82.2 | 82.0 | 83.8 | 83.9 | 83.8 | 80.2 | 90.2 | 94.0 | 96.7 | 98.6 | 99.2 | 133.4 | | | | | | | | | |
| VEHICLE CELL 41 | 78.8 | 80.3 | 81.5 | 82.3 | 83.9 | 83.3 | 83.2 | 88.6 | 92.5 | 96.4 | 99.3 | 103.8 | 103.5 | 137.4 | | | | | | | | | |
| CONFIG NC79 | 78.8 | 80.3 | 81.5 | 82.3 | 83.9 | 83.3 | 83.2 | 88.6 | 92.5 | 96.4 | 99.3 | 103.8 | 103.5 | 137.4 | | | | | | | | | |
| LOC C41 ANECH CH | 79.9 | 83.9 | 83.4 | 84.7 | 87.3 | 88.4 | 89.6 | 92.5 | 97.4 | 101.8 | 106.5 | 108.1 | 107.4 | 139.7 | | | | | | | | | |
| DATE 09-01-76 | 82.4 | 85.0 | 85.5 | 85.5 | 87.6 | 88.2 | 91.1 | 95.5 | 100.2 | 106.0 | 109.7 | 109.9 | 108.0 | 142.1 | | | | | | | | | |
| RUN CONSFLOW | 83.3 | 85.0 | 86.5 | 86.8 | 89.4 | 90.5 | 92.4 | 96.3 | 102.5 | 108.4 | 110.6 | 111.2 | 108.8 | 144.5 | | | | | | | | | |
| TAPE X00050 | 85.1 | 88.4 | 87.4 | 87.7 | 90.3 | 91.4 | 93.0 | 97.2 | 102.9 | 109.2 | 111.9 | 111.3 | 110.1 | 145.9 | | | | | | | | | |
| BAR 29.4 HG | 87.4 | 88.2 | 89.2 | 88.7 | 91.8 | 93.9 | 94.7 | 96.1 | 99.8 | 105.7 | 112.1 | 113.4 | 111.9 | 146.8 | | | | | | | | | |
| (97381. N/M2) | 92.5 | 92.5 | 93.5 | 92.8 | 93.9 | 94.7 | 96.1 | 99.8 | 105.7 | 112.1 | 113.4 | 111.9 | 110.2 | 148.0 | | | | | | | | | |
| TAMB 63. DEG F | 90.6 | 92.8 | 94.1 | 95.1 | 96.2 | 97.8 | 97.9 | 101.4 | 106.8 | 111.6 | 113.1 | 112.5 | 111.1 | 148.4 | | | | | | | | | |
| (290. DEG K) | 90.1 | 91.9 | 91.9 | 93.0 | 95.3 | 97.2 | 97.3 | 101.0 | 106.4 | 110.8 | 114.0 | 111.9 | 111.2 | 148.6 | | | | | | | | | |
| TWET 61. DEG F | 93.9 | 94.5 | 94.5 | 93.8 | 95.6 | 96.7 | 97.1 | 99.7 | 103.1 | 106.5 | 110.9 | 112.1 | 111.0 | 148.2 | | | | | | | | | |
| (289. DEG K) | 91.8 | 93.3 | 93.8 | 94.6 | 96.7 | 97.1 | 99.7 | 103.1 | 106.5 | 110.9 | 112.1 | 111.0 | 108.3 | 147.9 | | | | | | | | | |
| MACT13.12 GM/M3 | 90.6 | 91.8 | 93.1 | 93.1 | 95.4 | 97.3 | 98.7 | 102.6 | 106.6 | 108.1 | 111.3 | 110.3 | 107.8 | 146.9 | | | | | | | | | |
| (.01312 KG/M3) | 90.4 | 91.2 | 92.7 | 93.5 | 95.6 | 97.4 | 99.3 | 103.0 | 106.5 | 106.8 | 109.5 | 108.2 | 105.9 | 145.8 | | | | | | | | | |
| PREG. SHIFT | 89.9 | 91.5 | 92.3 | 92.8 | 95.6 | 97.5 | 98.9 | 102.3 | 105.8 | 105.4 | 107.8 | 107.2 | 105.5 | 145.0 | | | | | | | | | |
| JET | 89.0 | 89.3 | 91.1 | 91.9 | 93.2 | 97.1 | 98.7 | 101.4 | 105.6 | 104.7 | 107.7 | 106.8 | 104.3 | 144.7 | | | | | | | | | |
| DIAMETER RATIO | 87.9 | 88.7 | 90.8 | 91.3 | 94.9 | 96.0 | 98.6 | 99.8 | 104.1 | 103.0 | 105.6 | 104.7 | 102.2 | 143.4 | | | | | | | | | |
| DF/DH 1 | 85.4 | 86.0 | 89.6 | 90.1 | 92.7 | 95.0 | 96.9 | 98.0 | 102.6 | 100.8 | 103.5 | 102.8 | 100.0 | 142.1 | | | | | | | | | |
| | 83.9 | 84.8 | 88.0 | 88.7 | 91.7 | 93.3 | 96.0 | 96.5 | 101.2 | 98.5 | 101.9 | 102.1 | 99.3 | 141.5 | | | | | | | | | |
| | 80.0 | 80.4 | 80.8 | 84.9 | 89.6 | 89.4 | 92.8 | 92.9 | 98.9 | 94.9 | 98.5 | 98.0 | 94.6 | 139.2 | | | | | | | | | |
| | 77.9 | 78.3 | 81.2 | 80.5 | 85.7 | 88.3 | 88.0 | 89.4 | 94.2 | 91.4 | 96.9 | 93.0 | 92.3 | 137.3 | | | | | | | | | |
| | 76.9 | 75.4 | 80.5 | 78.7 | 82.5 | 85.5 | 85.6 | 85.3 | 93.8 | 88.6 | 93.4 | 92.9 | 90.7 | 137.4 | | | | | | | | | |
| | 72.0 | 70.2 | 74.8 | 72.6 | 76.4 | 79.4 | 79.9 | 80.6 | 88.8 | 84.4 | 90.1 | 88.8 | 84.7 | 136.1 | | | | | | | | | |
| | 63.7 | 63.3 | 65.7 | 63.3 | 67.9 | 70.5 | 70.7 | 72.7 | 81.5 | 78.7 | 82.1 | 80.8 | 76.4 | 132.7 | | | | | | | | | |
| | 55.0 | 56.9 | 57.0 | 55.4 | 59.2 | 61.1 | 61.7 | 64.5 | 74.5 | 74.8 | 76.7 | 75.8 | 66.4 | 133.1 | | | | | | | | | |
| | 49.8 | 52.1 | 54.1 | 52.1 | 53.3 | 55.2 | 55.8 | 56.8 | 70.6 | 67.0 | 75.3 | 72.6 | 62.9 | 136.9 | | | | | | | | | |
| OVERALL MEASURED | 102.3 | 103.3 | 104.4 | 104.7 | 107.0 | 108.5 | 110.0 | 113.1 | 117.6 | 121.2 | 123.5 | 122.7 | 121.0 | 159.2 | | | | | | | | | |
| OVERALL CALCULATED | 115.2 | 116.3 | 117.1 | 117.5 | 119.5 | 121.0 | 122.4 | 125.9 | 130.1 | 133.3 | 135.4 | 134.6 | 132.6 | | | | | | | | | | |
| PN08 | | | | | | | | | | | | | | | | | | | | | | | |

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|--|
| CONICAL | 5 | 12. 2m(40ft.) ARC | MODEL-109cm ² (16. 9in ²) |

PROC. DATE - MONTH 9 DAY 17 HR. 21.0
ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)
DEGREES (AND RADIANS)

| | FREQ. | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | 0. | 0. | 0. | 0. | 0. | PUL. |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|-------|
| NO EGA | 50 | -82.2 | 85.2 | 87.3 | 88.1 | 89.7 | 91.8 | 92.9 | 95.8 | 100.8 | 105.1 | 109.8 | 111.5 | 110.8 | | | | | | 154.5 |
| RDG. NO. C. | 63 | 83.3 | 87.3 | 86.3 | 88.1 | 90.7 | 91.8 | 92.9 | 95.8 | 100.8 | 105.1 | 109.8 | 111.5 | 110.8 | | | | | | 156.9 |
| RADIAL 150. FT. | 80 | 85.8 | 88.3 | 88.3 | 88.8 | 90.9 | 92.6 | 94.4 | 98.8 | 103.6 | 109.4 | 113.1 | 113.3 | 111.3 | | | | | | 159.4 |
| (46. M) | 100 | 86.6 | 88.4 | 89.9 | 90.2 | 92.8 | 93.9 | 95.6 | 99.7 | 105.9 | 111.7 | 113.9 | 114.6 | 112.1 | | | | | | 160.7 |
| VEHICLE CELL41 | 125 | 88.5 | 89.7 | 90.7 | 91.0 | 93.6 | 94.7 | 96.4 | 100.5 | 106.2 | 112.6 | 115.3 | 116.7 | 113.5 | | | | | | 161.6 |
| CONFIG NCT79 | 160 | 90.7 | 91.5 | 92.5 | 92.0 | 95.1 | 97.3 | 97.9 | 101.3 | 107.5 | 114.6 | 116.8 | 115.2 | 113.5 | | | | | | 162.8 |
| LOC C41 ANECH CH | 200 | 95.8 | 95.8 | 96.8 | 96.1 | 97.2 | 98.1 | 99.5 | 103.1 | 109.1 | 115.4 | 116.6 | 115.3 | 113.8 | | | | | | 163.3 |
| RUN 09-01-76 | 250 | 94.1 | 96.2 | 97.4 | 93.5 | 98.7 | 100.5 | 100.7 | 104.3 | 109.8 | 114.1 | 117.3 | 115.3 | 114.5 | | | | | | 163.4 |
| DATE CONSFLOWF | 315 | 93.5 | 95.3 | 95.3 | 96.3 | 98.7 | 100.5 | 100.7 | 104.3 | 109.8 | 114.1 | 117.3 | 115.3 | 114.5 | | | | | | 163.4 |
| TAPE XDD050 | 400 | 97.3 | 97.8 | 97.9 | 96.6 | 99.0 | 100.1 | 103.1 | 106.5 | 110.0 | 114.3 | 115.5 | 114.4 | 111.7 | | | | | | 162.7 |
| BAR 29.4 MG | 500 | 95.2 | 95.7 | 97.2 | 93.0 | 100.1 | 100.5 | 103.1 | 106.5 | 110.0 | 111.6 | 114.8 | 113.7 | 111.2 | | | | | | 161.7 |
| (99301. N/H2) | 630 | 95.9 | 96.7 | 97.2 | 97.8 | 99.3 | 101.0 | 102.1 | 106.0 | 110.0 | 111.6 | 114.8 | 113.7 | 111.2 | | | | | | 161.1 |
| TAMB 63. DEG F | 800 | 94.2 | 95.3 | 96.6 | 96.6 | 98.9 | 100.8 | 102.1 | 105.6 | 108.8 | 111.7 | 113.6 | 113.0 | 110.5 | | | | | | 160.6 |
| (200. DEG K) | 1000 | 93.9 | 94.7 | 96.2 | 97.0 | 99.1 | 100.9 | 102.8 | 106.5 | 110.0 | 110.3 | 113.0 | 111.6 | 109.4 | | | | | | 159.8 |
| TWET 61. DEG F | 1250 | 93.5 | 95.1 | 95.9 | 96.4 | 99.2 | 101.1 | 102.5 | 105.9 | 109.4 | 109.0 | 111.4 | 110.8 | 109.1 | | | | | | 159.6 |
| HACT13.12 GM/M3 | 1600 | 92.7 | 93.0 | 94.9 | 95.6 | 98.9 | 100.8 | 102.4 | 105.1 | 109.4 | 108.5 | 111.4 | 110.5 | 108.0 | | | | | | 158.3 |
| (.01312 KG/M3) | 2000 | 91.8 | 92.7 | 94.8 | 95.3 | 98.8 | 99.9 | 102.6 | 103.8 | 108.0 | 106.9 | 109.6 | 108.7 | 106.2 | | | | | | 156.9 |
| FREQ. SHIFT | 2500 | 89.7 | 90.3 | 93.9 | 94.4 | 97.0 | 99.3 | 101.2 | 102.3 | 106.9 | 105.1 | 107.8 | 107.1 | 104.3 | | | | | | 156.3 |
| DIAMETER RATIO | 3150 | 88.7 | 89.7 | 92.9 | 93.1 | 96.6 | 98.2 | 100.8 | 101.4 | 106.1 | 103.4 | 106.7 | 107.0 | 104.2 | | | | | | 154.0 |
| DF/DM 5.51 | 4000 | 85.9 | 86.4 | 90.5 | 89.9 | 95.1 | 95.0 | 98.4 | 93.5 | 104.5 | 100.5 | 104.1 | 103.5 | 100.2 | | | | | | 152.1 |
| JET 7 | 5000 | 84.8 | 85.2 | 88.0 | 87.4 | 92.6 | 95.2 | 94.8 | 96.3 | 101.1 | 98.2 | 103.8 | 99.8 | 99.1 | | | | | | 152.2 |
| OVERALL CALCULATED | 6300 | 85.3 | 85.8 | 89.0 | 87.2 | 90.9 | 93.9 | 94.1 | 93.7 | 102.2 | 97.0 | 101.8 | 101.4 | 99.1 | | | | | | 150.9 |
| | 8000 | 82.8 | 81.0 | 85.6 | 83.4 | 87.2 | 90.2 | 90.7 | 91.4 | 99.6 | 95.2 | 100.9 | 99.6 | 95.4 | | | | | | 147.5 |
| | 10000 | 77.5 | 76.8 | 79.5 | 77.1 | 81.7 | 84.3 | 84.5 | 86.5 | 95.3 | 92.5 | 95.9 | 94.6 | 90.2 | | | | | | 147.5 |
| | 12500 | 73.3 | 75.2 | 75.3 | 73.7 | 77.5 | 79.4 | 80.0 | 82.8 | 92.8 | 93.1 | 95.0 | 94.1 | 84.7 | | | | | | 147.9 |
| | 16000 | 74.4 | 76.7 | 78.7 | 76.7 | 77.9 | 79.8 | 80.4 | 81.4 | 95.3 | 91.7 | 100.0 | 97.2 | 87.5 | | | | | | 153.7 |
| | PNOB | 105.6 | 106.7 | 107.9 | 108.2 | 110.6 | 112.2 | 113.7 | 116.7 | 121.3 | 124.7 | 126.9 | 126.1 | 124.3 | | | | | | 174.0 |

ANECHOIC JET NOISE TEST FACILITY RESULTS

SIZE
FULL-.33m²(513in²)

ACOUSTIC RANGE
45 7m(150ft.) ARC

TEST POINT

CONFIGURATION CONICAL

PROC. DATE - MONTH 9 DAY 17 HR. 23.0
ATA (59. DEG. F, 70 PERCENT REL. HUM. DAY - JENOTS)

| | | ANGLES FROM INLET IN DEGREES (AND RADIAN) | | | | | | | | | | | | 0. (C.) (G.) | | | | | | | | | | | | 0. (C.) (G.) | | | | | | | | | | | | PWL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|--------|---|------|------|--------|------|------|--------|------|------|--------|------|------|--------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | | 40. | | | 50. | | | 60. | | | 70. | | | 80. | | | 90. | | | 100. | | | 110. | | | 120. | | | 130. | | | 140. | | | 150. | | | 160. | | | 170. | | | 180. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (0.70) | | | (0.87) | | | (1.05) | | | (1.22) | | | (1.40) | | | (1.57) | | | (1.75) | | | (1.92) | | | (2.09) | | | (2.27) | | | (2.44) | | | (2.62) | | | (2.79) | | | (3.00) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FREQ. | NO EGA | 50 | 73.1 | 79.1 | 79.9 | 80.9 | 80.2 | 81.3 | 81.4 | 82.3 | 83.9 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84.9 | 85.6 | 85.6 | 83.7 | 84.9 | 84. |

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR.

ANECHOIC JET NOISE TEST FACILITY RESULTS

| CONFIGURATION | TEST POINT | ACOUSTIC RANGE | SIZE |
|---------------|------------|-------------------|---|
| CONICAL | 6 | 45.7m(150ft.) ARC | FULL - 33m ² (513in ²) |

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

| FREQ. | FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY) | | | | | | | | | | | | | |
|--------------------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 40. | 50. | 60. | 70. | 80. | 90. | 100. | 110. | 120. | 130. | 140. | 150. | 160. | |
| NO EGA | (C.70) | (C.87) | (1.05) | (1.22) | (1.40) | (1.57) | (1.75) | (1.92) | (2.09) | (2.27) | (2.44) | (2.62) | (2.79) | |
| SIDELINE 2400. FT. | 50 | 44.9 | 52.5 | 54.3 | 56.3 | 59.4 | 60.6 | 59.6 | 60.8 | 60.1 | 57.1 | 63.0 | 64.1 | |
| (731.52 M) | 63 | 45.4 | 51.2 | 55.3 | 55.4 | 56.9 | 57.1 | 57.9 | 59.1 | 60.1 | 63.1 | 64.4 | 65.8 | |
| NFA | 80 | 48.2 | 51.8 | 54.6 | 55.7 | 57.9 | 59.2 | 59.2 | 61.4 | 62.9 | 65.1 | 67.7 | 71.1 | |
| (1. RPM) | 100 | 48.1 | 53.5 | 55.9 | 55.9 | 57.9 | 59.2 | 59.2 | 61.4 | 62.9 | 65.1 | 67.7 | 71.1 | |
| (0. RAD/SEC) | 125 | 50.1 | 56.7 | 56.1 | 58.7 | 61.4 | 62.9 | 63.7 | 65.2 | 67.4 | 70.6 | 74.9 | 76.2 | |
| NFK | 160 | 51.2 | 56.1 | 58.8 | 58.3 | 61.3 | 63.1 | 64.1 | 66.3 | 68.3 | 73.7 | 78.5 | 78.0 | |
| (1. RPM) | 200 | 52.5 | 56.8 | 58.9 | 59.7 | 62.8 | 63.8 | 65.0 | 66.7 | 68.4 | 75.1 | 79.5 | 73.9 | |
| (0. RAD/SEC) | 250 | 54.5 | 58.4 | 60.1 | 60.7 | 63.2 | 64.5 | 65.5 | 67.9 | 69.6 | 76.2 | 81.2 | 79.3 | |
| NFD | 315 | 57.8 | 60.4 | 61.1 | 62.0 | 64.8 | 66.5 | 66.3 | 69.0 | 71.1 | 77.9 | 82.6 | 79.9 | |
| (785. RAD/SEC) | 400 | 61.5 | 64.6 | 65.4 | 65.7 | 68.8 | 67.3 | 68.3 | 70.0 | 72.4 | 77.7 | 81.7 | 78.4 | |
| AIRFLOW RATIO | 500 | 80.5 | 83.0 | 79.8 | 73.5 | 73.8 | 71.6 | 75.0 | 73.2 | 73.5 | 77.3 | 81.3 | 78.8 | |
| LF/HM 2.73 | 630 | 73.6 | 76.5 | 73.4 | 69.3 | 68.7 | 68.7 | 68.7 | 70.1 | 72.6 | 75.8 | 79.0 | 75.5 | |
| VEHICLE | 800 | 77.0 | 77.5 | 76.8 | 75.5 | 73.4 | 70.4 | 68.1 | 69.5 | 72.5 | 75.1 | 76.8 | 73.6 | |
| CELL41 | 1000 | 74.8 | 76.0 | 77.1 | 79.9 | 82.1 | 80.4 | 73.3 | 71.4 | 71.6 | 74.3 | 73.9 | 70.8 | |
| CONFIG NC79 | 1250 | 70.5 | 73.6 | 75.1 | 76.7 | 78.4 | 78.2 | 73.9 | 71.7 | 71.3 | 70.9 | 71.7 | 67.7 | |
| LOC C41 ANECH CH | 1600 | 67.5 | 71.0 | 72.4 | 72.7 | 74.5 | 75.3 | 74.2 | 71.9 | 70.2 | 69.6 | 67.8 | 63.8 | |
| DATE 09-01-76 | 2000 | 64.2 | 67.9 | 70.1 | 71.5 | 73.1 | 72.7 | 72.6 | 72.2 | 70.8 | 66.8 | 64.6 | 58.3 | |
| RUN CON61NSTRCTF | 2500 | 59.2 | 63.9 | 67.2 | 67.3 | 69.5 | 69.7 | 69.3 | 69.3 | 69.7 | 64.6 | 59.6 | 53.1 | |
| TAPE XCG060 | 3150 | 52.6 | 57.5 | 61.6 | 63.8 | 66.4 | 65.6 | 65.4 | 64.0 | 66.4 | 59.9 | 53.8 | 45.2 | |
| FAN TIP SPEED | 4000 | 43.2 | 49.7 | 55.1 | 56.8 | 59.9 | 60.2 | 59.9 | 57.8 | 58.4 | 51.7 | 43.9 | 32.4 | |
| FT/SEC | 5000 | 36.5 | 43.9 | 49.6 | 53.0 | 55.7 | 56.3 | 55.5 | 52.6 | 53.3 | 44.9 | 37.1 | 25.1 | |
| OVERALL CALCULATED | 6300 | 21.2 | 31.0 | 38.9 | 41.8 | 45.7 | 46.7 | 46.2 | 42.3 | 42.6 | 31.9 | 22.2 | 5.1 | |
| PNDB | 8000 | 9.5 | 20.5 | 23.7 | 30.3 | 29.7 | 30.5 | 26.0 | 24.5 | 10.9 | | | | |
| | 10000 | | | 0.7 | 8.2 | 10.7 | 7.7 | 3.3 | | | | | | |
| | 12500 | | | | | | | | | | | | | |
| | 16000 | | | | | | | | | | | | | |
| | 20000 | | | | | | | | | | | | | |
| | 25000 | | | | | | | | | | | | | |
| | 31500 | | | | | | | | | | | | | |
| OVERALL CALCULATED | | 83.8 | 85.9 | 84.7 | 84.2 | 85.6 | 84.7 | 82.5 | 81.9 | 82.6 | 86.3 | 89.9 | 88.1 | |
| PNDB | | 89.5 | 92.3 | 91.6 | 91.8 | 93.7 | 93.2 | 92.4 | 92.0 | 92.3 | 92.3 | 94.8 | 91.9 | |

OVERALL CALCULATED 83.8 85.9 84.7 84.2 85.6 84.7 82.5 81.9 82.6 86.3 89.9 88.1 53.2

ANECHOIC JET NOISE TEST FACILITY RESULTS

CONFIGURATION CONICAL TEST POINT 6 ACUSTIC RANGE 731.5m(2400ft.) SIDELINE SIZE FULL-33m(1513in²)

